Shandong Atlas Refrigeration Technology Co.,Ltd.

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Shandong Atlas Refrigeration Technology Co.,Ltd.

Company Profile

Shandong Atlas Refrigeration Technology Co., Ltd. is a specialized manufacturer of cold rooms and refrigeration systems, headquartered in Shandong Province, Northern China. Guided by the values of integrity, responsibility, and excellence, we are committed to delivering reliable and efficient refrigeration solutions to customers worldwide.

With extensive industry experience and a professional engineering team, we design tailor-made cold room systems based on precise analysis of product load, operating conditions, and environmental factors, ensuring optimal performance for every application.

Our product range includes cold room panels, cold room doors, condensing units, evaporators, condensers, and ice-making machines. Our systems utilize premium compressors from leading global brands, ensuring high efficiency, durability, and long-term operational reliability.

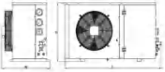
Today, our refrigeration solutions are trusted by customers across Europe, the Americas, the Middle East, Africa, Oceania, and Southeast Asia, supporting a wide range of cold room applications around the world.

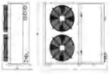
Your
COLD ROOM
Expert
Warm Service. Perfect Cooling.

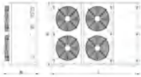
TYW 02 M Y

Y: R404A, R448A, R449A
M: Medium Temperature
L: Low Temperature
HP
TYW: ZB Compressor
TYZ: ZSI Compressor

- Low noise quality condensing unit
- Quick Install range 2HP ~ 15 HP
- Copeland scroll ZB, ZSI compressor
- Crankcase heater
- Axial fan motor 6 pole with low noise
- Emerson HP/LP pressure switch
- Emerson sight glass
- Emerson filter drier
- Liquid receiver
- Pressure gauges
- Acoustic case lining
- Service valves
- Siemens switch
- Schneider AC contactor
- Schneider overload protector
- Carlo phase protector
- Oil separator(for low temperature)
- Suction accumulator(for low temperature)
- Alco fan speed controller(Option)
- CE marked







PACKAGE COPELAND SCROLL ZB CONDENSING UNIT

R404A MBP Copeland

Model	Compressor		Condenser		Axial Fan				Dimension	Connect	
	Model	H.P.	Surface (m²)	nominal capacity (kw)	N°xΦ	Air Flow m³/h	Noise dbA*10m	Voltage	LxWxH(mm)	Dis	Suction
TYW02MY	ZB15KQE	2	19.3	10.30	1x450	3775	45	220V/50HZ	1120*570*832	3/8"	3/4"
TYW025MY	ZB19KQE	2.5	24	13.46	1x450	3775	46	220V/50HZ	1120*570*832	3/8"	3/4"
TYW03MY	ZB21KQE	3	31.8	16.11	1x450	3775	46	220V/50HZ	1120*570*832	3/8"	3/4"
TYW035MY	ZB26KQE	3.5	41	23.38	1x450	3775	46	220V/50HZ	1255*570*832	3/8"	3/4"
TYW04MY	ZB29KQE	4	41	26.96	1x500	5705	48	220V/50HZ	1255*570*832	1/2"	7/8"
TYW05MY	ZB38KQE	5	48	30.49	2x450	7550	50	220V/50HZ	1255*570*1232	1/2"	7/8"
TYW06MY	ZB45KQE	6	62	36.32	2x450	7550	50	220V/50HZ	1255*570*1232	1/2"	7/8"
TYW07MY	ZB48KQE	7	70	41.87	2x450	7550	50	220V/50HZ	1255*570*1232	5/8"	7/8"
TYW08MY	ZB58KQE	8	77	46.46	2x500	11410	60	220V/50HZ	1320*620*1232	5/8"	1-1/8"
TYW09MY	ZB66KQE	9	87	52.6	2x500	11410	60	220V/50HZ	1320*620*1232	5/8"	1-3/8"
TYW10MY	ZB75KQE	10	96	58.57	2x500	11410	60	220V/50HZ	1320*620*1232	5/8"	1-3/8"
TYW13MY	ZB95KQE	13	128	76.6	4x500	22820	54	220V/50HZ	2065*770*1330	5/8"	1-3/8"
TYW15MY	ZB114KQE	15	160	95.3	4x500	22820	54	220V/50HZ	2065*770*1330	7/8"	1-5/8"

PACKAGE COPELAND SCROLL ZSI CONDENSING UNIT

R404A LBP Copeland

Model	Compressor		Condenser	Axial Fan				Dimension	Connect	
	Model	H.P.	Surface (m²)	N°xφ mm	Air Flow m³/h	Noise dbA*10m	Voltage	LxWxH (mm)	Dis	Suction
TYZ02LY	ZSI06KQE	2	19	1x400	3295	44	220V/50HZ	1380x620x832	3/8"	3/4"
TYZ025LY	ZSI08KQE	2.5	19	1x400	3295	44	220V/50HZ	1380x620x832	3/8"	3/4"
TYZ03LY	ZSI09KQE	3	24	1x450	3375	44	220V/50HZ	1380x620x832	3/8"	3/4"
TYZ035LY	ZSI11KQE	3.5	24	1x450	3375	44	220V/50HZ	1380x620x832	3/8"	7/8"
TYZ045LY	ZSI14KQE	4.5	32	1x450	3375	48	220V/50HZ	1510x620x832	1/2"	7/8"
TYZ05LY	ZSI15KQE	5	41	1x500	5705	48	220V/50HZ	1510x620x832	1/2"	7/8"
TYZ06LY	ZSI18KQE	6	51	1x500	5705	48	220V/50HZ	1510x620x832	1/2"	7/8"
TYZ07LY	ZSI21KQE	7	61	1x500	5705	48	220V/50HZ	1510x620x832	1/2"	7/8"

PACKAGE COPELAND SCROLL ZB CONDENSING UNIT

R404A MBP Copeland

Model	Ambient Temp.	Capacity(Watts) Evaporating Temperature(℃)					
	℃	5	0	-5	-10	-15	-20
TYW02MY	30	5430	4750	4130	3530	2900	2380
	32	5330	4650	4040	3440	2800	2300
	38	4910	4270	3660	3100	2450	1970
	43			3300	2800	2140	1680
TYW025MY	30	6770	5930	5130	4440	3660	3080
	32	6660	5830	5040	4340	3560	2990
	38	6200	5410	4640	3970	3210	2670
	43		5000	4280	3660	2900	2400
TYW03MY	30	7630	6710	5870	5080	4230	3570
	32	7530	6620	5780	4970	4130	3470
	38	7070	6180	5340	4580	3740	3110
	43				4220	3390	2800
TYW035MY	30	8840	7770	6830	5920	4900	4160
	32	8730	7670	6720	5800	4780	4040
	38	8200	7170	6230	5330	4310	3620
	43				4900	3900	3250
TYW04MY	30	10810	9460	8270	7150	5910	4980
	32	10650	9320	8110	6990	5750	4830
	38	9940	8650	7480	6400	5180	4310
	43			6890	5860	4680	3870
TYW05MY	30	13390	11680	10230	8840	7330	6180
	32	13120	11500	10040	8650	7130	5990
	38	12290	10720	9280	7930	6440	5360
	43			8670	7280	5830	4810
TYW06MY	30	15320	13470	11810	10230	8510	7180
	32	15120	13280	11600	10020	8290	6970
	38	14180	12410	10760	9020	7480	6250
	43			9950	8480	6760	5620
TYW07MY	30	18190	15840	13820	11890	9820	8290
	32	17890	15560	13530	11610	9540	7990
	38	16670	14400	12440	10590	8580	7120
	43		13300	11430	9690	7720	6390
TYW08MY	30	20960	18420	16090	13890	11430	9430
	32	20660	18160	15810	13600	11120	9120
	38	19400	16980	14680	12470	9820	7930
	43			13580	11430	8980	6890
TYW09MY	30	23190	20330	17810	15470	12880	10830
	32	22810	20010	17490	15140	12520	10540
	38	21330	18680	16210	13930	11330	9420
	43			15010	12830	10270	8440
TYW10MY	30	26120	23080	20320	17670	14690	12390
	32	25860	22820	20030	17350	14340	12010
	38		21510	18710	16070	13020	10760
	43				14860	11620	9660
TYW13MY	30	32000	28300	24920	21770	18090	14920
	32	31600	27960	24580	21390	17650	14520
	38		26220	22770	19320	15270	12580
	43				17580	13820	11290
TYW15MY	30	38990	33890	29800	25790	21270	17510
	32	38070	33570	29360	25310	20710	17030
	38		31400	27940	22730	17930	14610
	43				21090	16270	13500

PACKAGE COPELAND SCROLL ZSI CONDENSING UNIT

R404A LBP Copeland

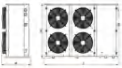
Model	Ambient Temperature ℃	Capacity(watts) Evaporating Temperature(℃)						
		-30	-25	-20	-15	-10	-5	0
TYZ02LY	32	1470	1840	2280	2810	3440	4170	5000
	35	1310	1660	2070	2560	3130	3780	4530
	38	1150	1460	1840	2280	2790	3380	4080
	43				2020	2470	2990	3580
TYZ025LY	32	1860	2290	2820	3460	4180	5030	5980
	35	1680	2070	2550	3110	3780	4540	5410
	38	1530	1870	2300	2800	3400	4080	4860
	43				2550	3070	3680	4360
TYZ03LY	32	2030	2570	3180	3870	4660	5580	6630
	35	1760	2270	2830	3470	4180	5020	5980
	38	1570	2030	2540	3110	3750	4500	5360
	43				2840	3420	4080	4840
TYZ035LY	32	2560	3270	4040	4900	5900	7100	8520
	35	2380	3040	3730	4510	5420	6500	7800
	38	2200	2780	3410	4100	4910	5870	7060
	43				3650	4350	5200	6290
TYZ045LY	32	3280	4120	5010	6240	7590	9120	10880
	35	3010	3760	4650	5680	6890	8290	9900
	38	2750	3420	4200	5130	6200	7460	8900
	43				4590	5530	6620	7900
TYZ05LY	32	3710	4730	5810	7030	8440	10120	12120
	35	3480	4430	5420	6520	7780	9300	11110
	38	3170	4040	4930	5910	7040	8380	10000
	43				5160	6140	7310	8730
TYZ06LY	32	4680	5790	7090	8600	10340	12360	14670
	35	4290	5310	6500	7860	9450	11290	13400
	38	3900	4820	5880	7110	8530	10180	12080
	43				6330	7590	9050	10730
TYZ07LY	32	5240	6460	7900	9590	11550	13790	16330
	35	4810	5930	7250	8800	10580	12620	14930
	38	4370	5390	6590	7980	9580	11420	13490
	43				7130	8560	10180	12020

PACKAGE COPELAND SCROLL ZF CONDENSING UNIT

TYF 02 L Y

Y : R404A , R449A
L : Low Temperture
HP:2HP
TYF:ZF Ccompressor

- Low noise quality condensing unit
- Quick Install range 2HP ~ 15 HP
- Copeland scroll ZF compressor
- Crankcase heater
- Axial fan motor 6 pole with low noise
- Emerson HP/LP pressure switch
- Emerson sight glass
- Emerson filter drier
- Liquid receiver
- Pressure gauges
- Acoustic case lining
- Service valves
- Siemens switch
- Schneider AC contactor
- Schneider overload protector
- Carlo phase protector
- Oil separator
- Suction accumulator
- Alco fan speed controller(Option)
- CE marked



PACKAGE COPELAND SCROLL ZF CONDENSING UNIT

Model	Compressor		Condenser	Axial Fan				Dimension	Connect	
	Model	H.P	Surface (m²)	N*W	Air Flow m³/h	Noise dist=10 m	Voltage	LXWXH(mm)	Dis	Suction
TYF02LY	ZF06KQE	2	20	1X480	3775	46	220V/50HZ	1028*620*632	3/8"	3/4"
TYF025LY	ZF08KQE	2.5	27	1X480	3775	46	220V/50HZ	1028*620*632	3/8"	3/4"
TYF03LY	ZF09KQE	3	30	1X500	5705	48	220V/50HZ	1285*620*732	3/8"	3/4"
TYF035LY	ZF11KQE	3.5	35	1X500	5705	48	220V/50HZ	1285*620*732	3/8"	3/4"
TYF04LY	ZF13KQE	4	40	1X500	5705	48	220V/50HZ	1285*620*732	1/2"	7/8"
TYF05LY	ZF15KQE	5	52	2X500	11410	52	220V/50HZ	1285*620*1232	1/2"	7/8"
TYF06LY	ZF18KQE	6	59	2X500	11410	52	220V/50HZ	1285*620*1232	1/2"	7/8"
TYF075LY	ZF25KQE	7.5	69	2X500	11410	52	220V/50HZ	1285*620*1232	5/8"	7/8"
TYF09LY	ZF29KQE	9	101	2X500	11410	52	220V/50HZ	1510*620*1232	5/8"	7/8"
TYF10LY	ZF34KQE	10	101	2X500	11410	52	220V/50HZ	1510*620*1232	5/8"	1-3/8"
TYF13LY	ZF41KQE	13	128	4X500	22820	54	220V/50HZ	2005*770*1333	5/8"	1-3/8"
TYF15LY	ZF48KQE	15	160	4X500	22820	54	220V/50HZ	2005*770*1333	7/8"	1-3/8"
TYF17LY	ZF54KQE	17	160	4X500	22820	54	220V/50HZ	2005*770*1333	7/8"	1-3/8"

Model	Compressor	50°C Condensing Temperature							
		Cooling Capacity (W)							
		-40	-35	-30	-25	-20	-15	-10	-5
TYF02LY	ZF06KQE	1040	1320	1650	2020	2400	2910	3550	4240
TYF025LY	ZF08KQE	1200	1630	2050	2480	3020	3650	4370	5230
TYF03LY	ZF09KQE	1420	1800	2240	2750	3340	4030	4850	5790
TYF035LY	ZF11KQE	1800	2280	2820	3440	4100	5010	6000	7180
TYF04LY	ZF13KQE	2050	2590	3220	3970	4850	5880	7060	8420
TYF05LY	ZF15KQE	2500	3180	3960	4880	5950	7200	8650	10350
TYF06LY	ZF18KQE	3060	3880	4810	5870	7120	8580	10300	12300
TYF075LY	ZF25KQE	3450	4180	5880	7180	8670	10450	12550	15050
TYF09LY	ZF29KQE	4450	5460	6610	8440	10300	13400	14700	17200
TYF10LY	ZF34KQE	4950	6320	7920	9730	11850	14250	17100	20450
TYF13LY	ZF41KQE	6210	7880	9870	12050	14530	17450	20900	24900
TYF15LY	ZF48KQE	7460	9470	11800	14500	17650	-	-	-
TYF17LY	ZF54KQE	8190	10400	12850	15800	19050	-	-	-

PACKAGE COPELAND SCROLL CONDENSING UNIT

TYA 02 M Y

Y: R404A, R448A, R449A

M: Medium Temperature
L: Low Temperature

HP

TYA: Series

- Low noise quality condensing unit
- Quick Install range 2HP – 7HP
- Copeland scroll compressor
- Crankcase heater
- Low noise fan motor
- HP/LP pressure switch
- Sight glass
- Filter drier
- Solenoid valve
- Liquid receiver
- Oil separator(Low temperature)
- Pressure gauges
- Acoustic case lining
- Service valves
- CHINT Switch
- Schneider contactor
- Schneider overhead protector
- Carlo phase protector

ZB

ZSI

PACKAGE COPELAND ZB CONDENSING UNIT

R404A

MBP

Model	Compressor		Condenser	Fan Motor			Dimension	Noise	Connect	
Code	Model	H.P	Surface (m²)	Q'ty X power	m³/h	Voltage	LXWXH(mm)	dist=10m	DIS	SUC
TYA02MY	ZB15KQE	2	25	1X60W	1810	220V/50HZ	1020*420*840	42	3/8"	5/8"
TYA025MY	ZB19KQE	2.5	25	1X60W	1810	220V/50HZ	1020*420*840	42	3/8"	5/8"
TYA03MY	ZB21KQE	3	32	1X60W	1810	220V/50HZ	1020*420*840	43	3/8"	5/8"
TYA035MY	ZB26KQE	3.5	32	1X60W	1810	220V/50HZ	1020*420*840	43	3/8"	5/8"
TYA04MY	ZB29KQE	4	40	2X60W	3620	220V/50HZ	1020*420*1240	45	1/2"	3/4"
TYA05MY	ZB38KQE	5	50	2X60W	3620	220V/50HZ	1020*420*1240	45	1/2"	3/4"
TYA06MY	ZB45KQE	6	60	2X60W	3620	220V/50HZ	1020*420*1240	45	1/2"	3/4"

MODEL	Compressor	Cooling Capacity(watts)					
		Evaporating Temperature(℃)					
		+5℃	0℃	-5℃	-10℃	-15℃	-20℃
TYA02MY	ZB15KQE	4910	4270	3660	3100	2450	1970
TYA025MY	ZB19KQE	6200	5410	4640	3970	3210	2670
TYA03MY	ZB21KQE	7070	6180	5340	4580	3740	3110
TYA035MY	ZB26KQE	8200	7170	6230	5330	4310	3620
TYA04MY	ZB29KQE	9940	8650	7480	6400	5180	4310
TYA05MY	ZB38KQE	12290	10720	9280	7930	6440	5360
TYA06MY	ZB45KQE	14190	12410	10760	9220	7490	6250

Condensing temperature 50℃, Ambient temperature 35℃

PACKAGE COPELAND ZSI CONDENSING UNIT

R404A

LBP

Model	Compressor		Condenser	Axial Fan Motor			DIMENSION	Noise	Pipe Fittings	
Code	Mode	H.P	Surface (m²)	Q'ty X power	m³/h	Voltge	L*W*H(mm)	dist=10m	D inch	S inch
TYA02LY	ZSI06KQE	2	20	1X60W	1810	220V/50HZ	1020*420*840	42	3/8"	5/8"
TYA025LY	ZSI08KQE	2.5	20	1X60W	1810	220V/50HZ	1020*420*840	42	3/8"	5/8"
TYA03LY	ZSI09KQE	3	30	1X60W	1810	220V/50HZ	1020*420*840	43	3/8"	5/8"
TYA035LY	ZSI11KQE	3.5	32	1X60W	1810	220V/50HZ	1020*420*840	43	3/8"	5/8"
TYA04LY	ZSI14KQE	4.5	40	1X60W	1810	220V/50HZ	1020*420*840	43	1/2"	3/4"
TYA05LY	ZSI15KQE	5	50	2X60W	3620	220V/50HZ	1020*420*1240	45	1/2"	3/4"
TYA06LY	ZSI18KQE	6	60	2X60W	3620	220V/50HZ	1020*420*1240	45	1/2"	3/4"
TYA07LY	ZSI21KQE	7	70	2X60W	3620	220V/50HZ	1020*420*1240	45	1/2"	3/4"

MODEL	Compressor	Cooling Capacity(Watts)						
		Evaporating Temperature(℃)						
		0℃	-5℃	-10℃	-15℃	-20℃	-25℃	-30℃
TYA02LY	ZSI06KQE	4530	3780	3130	2560	2070	1660	1310
TYA025LY	ZSI08KQE	5410	4540	3780	3110	2550	2070	1680
TYA03LY	ZSI09KQE	5980	5020	4180	3470	2830	2270	1760
TYA035LY	ZSI11KQE	7870	6560	5420	4510	3730	3040	2380
TYA04LY	ZSI14KQE	9900	8290	6890	5680	4650	3760	3010
TYA05LY	ZSI15KQE	11100	9300	7780	6520	5420	4430	3480
TYA06LY	ZSI18KQE	13400	11290	9450	7860	6500	5310	4290
TYA07LY	ZSI21KQE	14930	12620	10560	8800	7250	5930	4810

Condensing temperature 50℃, Ambient temperature 35℃

COPELAND DIGITAL SCROLL CONDENSING UNIT

TYA D XX M Y

→ Refrigerant：Y: R404A/R448A/R449A

→ Medium Temperature

→ HP

→ Digital scroll

→ Series

Main features and advantages:

The temperature fluctuation is controlled within ±1 percent,10-100% stepless energy adjustment, ensure accurate temperature control and reduce dry consumption of goods.

High reliability: Compared with other energy-adjustable technologies, because there is no oil return problem, digital scroll is more reliable

Lower structural complexity: Compared with frequency conversion technology, digital scroll compressors have lower structural complexity

Higher reliability and energy efficiency: The combination of scroll technology and mechanical unloading system, can provide higher reliability and efficiency

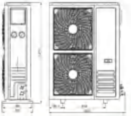
Technical Parameter

Cooling Capacity performance

R404A

MODEL	Compressor Model	Ambient Temp ℃		Evaporating Temperature (℃)						
				-20	-15	-10	-5	0	5	10
TYAD04MY	ZBD29KQE	Q (KW)	32	5.14	6.14	7.40	8.86	10.55	12.50	14.75
			38	4.21	5.11	6.15	7.36	8.76	10.40	12.30
			43	—	3.97	4.77	5.70	6.80	8.10	9.62
		P (KW)	32	2.79	2.86	2.94	2.98	3.02	3.07	3.14
			38	3.44	3.57	3.66	3.71	3.74	3.77	3.82
			43	—	4.63	4.73	4.79	4.82	4.83	4.85
TYAD05MY	ZBD38KQE	Q (KW)	32	6.28	7.64	9.23	11.05	13.15	15.50	18.25
			38	5.33	6.46	7.77	9.29	11.06	13.09	15.30
			43	—	5.15	6.14	7.30	8.60	10.25	12.05
		P (KW)	32	3.53	3.68	3.83	3.95	4.06	4.15	4.21
			38	4.17	4.34	4.51	4.65	4.80	4.91	5.00
			43	—	5.19	5.37	5.54	5.69	5.83	5.95
TYAD06MY	ZBD45KQE	Q (KW)	32	7.47	9.08	10.95	13.15	15.65	18.45	21.60
			38	6.35	7.68	9.24	11.05	13.15	15.50	18.20
			43	—	6.12	7.30	8.69	10.30	12.15	14.30
		P (KW)	32	3.96	4.36	4.53	4.68	4.81	4.92	4.98
			38	4.16	5.15	5.34	5.53	5.69	5.83	5.94
			43	—	6.17	6.38	6.58	6.77	6.93	7.07
TYAD07MY	ZBD48KQE	Q (KW)	32	8.40	10.25	12.35	14.80	17.60	20.80	24.30
			38	7.14	8.65	10.40	12.45	14.75	17.45	20.55
			43	—	6.80	8.21	9.77	11.60	13.70	16.10
		P (KW)	32	4.57	4.77	4.95	5.13	5.27	5.39	5.46
			38	5.41	5.64	5.85	6.05	6.23	6.39	6.51
			43	—	6.78	6.99	7.21	7.41	7.59	7.74

Model	Compressor		Condenser	Fan Motor			Noise	Dimension	Pipe Fitting	
	Model	HP	Area (m²)	N°x Power	m³/h	Voltage	Dist=10m	LXWXH(mm)	Discharge	Suction
TYAD04MY	ZBD29KQE	4	40	2X80W	3620	220V/50HZ	42	1030*420*1275	1/2"	7/8"
TYAD05MY	ZBD38KQE	5	48	2X80W	3620	220V/50HZ	42	1030*420*1275	1/2"	7/8"
TYAD06MY	ZBD45KQE	6	65	2X80W	3620	220V/50HZ	42	1030*420*1275	1/2"	7/8"
TYAD07MY	ZBD48KQE	7	70	2X80W	3620	220V/50HZ	42	1030*420*1275	1/2"	7/8"



COPELAND DIGITAL SCROLL CONDENSING UNIT

TYW D XX M/L Y

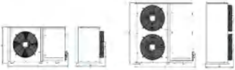
Y: R404A、R449A、R448A

M. Medium temperature
L: Low temperature

HP

Digital scroll

Series name:



COPELAND DIGITAL SCROLL ZBD CONDENSING UNIT

MBP

Model	Compressor		Condenser	Fan Motor			Noise	Dimension	Pipe Fitting	
	Model	HP	Area (m²)	N°Φ mm	m³/h	voltage	Dist= 10m	L*W*H(mm)	Discharge	Suction
TYWD04MY	ZBD29KQE	4	40	1x500	5705	220V/50HZ	48	1285*620*732	1/2"	7/8"
TYWD05MY	ZBD38KQE	5	52	2x500	11410	220V/50HZ	52	1285*620*1232	1/2"	7/8"
TYWD06MY	ZBD45KQE	6	60	2x500	11410	220V/50HZ	52	1285*620*1232	1/2"	7/8"
TYWD07MY	ZBD48KQE	7	69	2x500	11410	220V/50HZ	52	1285*620*1232	5/8"	7/8"
TYWD08MY	ZBD57KQE	8	81	2x500	11410	220V/50HZ	52	1510*620*1232	5/8"	7/8"

COPELAND DIGITAL SCROLL ZFJ CONDENSING UNIT

LBP

Model	Compressor		Condenser	Fan Motor			Noise	Dimension	Pipe Fitting	
	Model	HP	Area (m²)	N°Φ mm	m³/h	voltage	Dist= 10m	L*W*H(mm)	Discharge	Suction
TYWD04LY	ZFJ20KQE	4	40	1x500	5705	220V/50HZ	48	1285*620*732	1/2"	7/8"
TYWD06LY	ZFJ26KQE	6	60	2x500	11410	220V/50HZ	52	1285*620*1232	1/2"	7/8"
TYWD08LY	ZFJ36KQE	8	81	2x500	11410	220V/50HZ	52	1510*620*1232	5/8"	7/8"

Model	Compressor Model	Condensing Temp℃		Cooling Capacity(KW) Evaporating Temperature (℃)						
				-20	-15	-10	-5	0	5	10
TYWD04MY	ZBD29KQE	Q (KW)	40	5.04	6.14	7.40	8.98	10.55	12.50	14.75
			50	4.21	5.11	6.15	7.36	8.76	10.40	12.30
			60	-	3.97	4.77	5.76	6.80	8.10	9.62
TYWD05MY	ZBD38KQE	Q (KW)	40	6.28	7.64	9.25	11.05	13.15	15.60	18.20
			50	5.33	6.48	7.77	9.28	11.05	13.05	15.30
			60	---	5.15	6.14	7.30	8.66	10.25	12.05
TYWD06MY	ZBD45KQE	Q (KW)	40	7.47	9.09	10.98	13.15	15.65	18.45	21.80
			50	6.35	7.69	9.24	11.05	13.15	15.60	18.20
			60	----	6.12	7.30	8.68	11.30	12.15	14.30
TYWD07MY	ZBD48KQE	Q (KW)	40	8.40	10.25	12.36	14.80	17.60	20.80	24.30
			50	7.14	8.65	10.40	12.45	14.75	17.45	20.50
			60	—	6.89	8.21	9.77	11.60	13.70	16.10
TYWD08MY	ZBD57KQE	Q (KW)	40	9.69	11.80	14.20	17.00	20.20	23.90	28.00
			50	8.22	9.98	12.00	14.35	17.00	20.10	23.50
			60	—	7.90	9.47	11.25	13.35	15.75	18.50

Model	Compressor Model	Condensing Temp℃		Cooling Capacity(KW) Evaporating Temperature (℃)							
				-40	-35	-30	-25	-20	-15	-10	-5
TYWD04LY	ZFJ20KQE	Q (KW)	30	3.43	4.28	5.23	6.30	7.50	8.86	10.40	12.14
			40	3.25	4.07	4.99	6.04	7.23	8.60	10.14	11.90
			50	2.92	3.70	4.59	5.62	6.80	8.17	9.73	11.50
TYWD06LY	ZFJ26KQE	Q (KW)	30	5.14	6.29	7.61	9.14	10.90	12.91	15.20	17.79
			40	5.09	6.12	7.33	8.74	10.39	12.30	14.49	17.01
			50	5.08	5.97	7.03	8.32	9.84	11.62	13.70	16.10
TYWD08LY	ZFJ36KQE	Q (KW)	30	6.48	8.01	9.76	11.70	13.85	16.20	18.73	21.48
			40	6.29	7.67	9.27	11.08	13.09	15.32	17.74	20.32
			50	6.24	7.42	8.82	10.43	12.26	14.30	16.54	18.97

RACK COPELAND DIGITAL SCROLL CONDENSING UNIT

TYUD XX B M/L Y

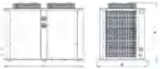
Y: R404A / R449A / R448A

M: Medium temperature(ZBD+ZB)
L : Low temperature(ZFJ+ZFI)

B: Parallel multi-condensing unit

HP

Series name:



MBP

Model	Compressor		Condenser	Fan Motor			Noise	Dimension	Pipe Fitting	
	Model	HP	Area m²	N°Φ mm	m³/h	voltage	Dist= 10m	L*W*H(mm)	Discharge	Suction
TYUD10BMY	ZBD38+ZB38	10	107	2x500	11410	220V/50HZ	52	1345*845*1085	5/8"	1-3/8"
TYUD12BMY	ZBD45+ZB45	12	122	2x500	11410	220V/50HZ	52	1345*845*1085	5/8"	1-3/8"
TYUD14BMY	ZBD48+ZB48	14	153	2x600	18000	220V/50HZ	56	1550*983*1225	7/8"	1-3/8"
TYUD16BMY	ZBD57+ZB57	16	175	2x600	18000	220V/50HZ	56	1550*983*1225	7/8"	1-3/8"

LBP

Model	Compressor		Condenser	Fan Motor			Noise	Dimension	Pipe Fitting	
	Model	HP	Area m²	N°Φ mm	m³/h	voltage	Dist= 10m	L*W*H(mm)	Discharge	Suction
TYUD12BLY	ZFJ26+ZFI26	12	122	2x600	18000	220V/50HZ	58	1550*983*1225	5/8"	1-3/8"
TYUD16BLY	ZFJ36+ZFI36	16	153	2x600	18000	220V/50HZ	58	1550*983*1225	7/8"	1-3/8"

RACK COPELAND DIGITAL SCROLL CONDENSING UNIT

Model	Compressor Model	Condensing Temp ℃		Cooling Capacity(KW) Evaporating Temperature (℃)						
				-20	-15	-10	-5	0	5	10
TYUD10BMY	ZBD38+ZB38	Q (KW)	40	12.56	15.28	18.46	22.10	26.30	31.00	36.40
			50	10.66	12.92	15.54	18.56	22.10	26.10	30.60
			60	-	12.30	12.28	14.50	17.32	20.50	24.10
TYUD12BMY	ZBD45+ZB45	Q (KW)	40	14.94	18.18	21.90	26.30	31.30	36.90	43.20
			50	12.70	15.38	18.48	22.10	26.30	31.00	36.40
			60	-	12.24	14.60	17.36	20.60	24.30	28.60
TYUD14BMY	ZBD48+ZB48	Q (KW)	40	16.80	20.50	24.70	29.50	35.20	41.60	48.60
			50	14.29	17.30	20.80	24.90	29.50	34.90	41.00
			60	-	13.78	16.42	19.54	23.20	27.40	32.20
TYUD16BMY	ZBD57+ZB57	Q (KW)	40	19.38	23.60	28.40	34.00	40.40	47.80	56.00
			50	16.44	19.96	24.00	28.70	34.00	40.20	47.00
			60	-	15.80	18.94	22.50	26.70	31.50	37.00

Model	Compressor Model	Condensing Temp ℃		Cooling Capacity(KW) Evaporating Temperature (℃)							
				-40	-35	-30	-25	-20	-15	-10	-5
TYUD12BLY	ZFJ26+ZFI26	Q (KW)	30	10.28	12.68	15.22	18.28	21.80	25.82	30.40	35.58
			40	10.18	12.24	14.66	17.48	20.78	24.60	28.98	34.02
			50	10.16	11.94	14.06	16.64	19.68	23.24	27.40	32.20
TYUD16BLY	ZFJ36+ZFI36	Q (KW)	30	12.96	16.02	19.52	23.40	27.70	32.40	37.46	42.90
			40	12.58	15.34	18.54	22.16	26.18	30.64	35.48	40.64
			50	12.48	14.84	17.64	20.86	24.52	28.60	33.08	37.94

PACKAGE TOP BLOWING CONDENSING UNIT

COPELAND ZB PACKAGE TOP BLOWING CONDENSING UNIT

TYU/TYXJ 1 07 M Y

- Y → R404A
- M → M:Medium temperature
L:Low temperature
- 07 → HP
- 1 → 1:ZB compressor
2:ZFI compressor
- TYU/TYXJ → TYU: U type top blowing
TYXJ: V type top blowing

- Low noise quality condensing unit
- Quick Install range 7HP-50HP
- Copeland scroll ZB, ZFI compressor
- Crankcase heater
- Axial fan motor 6 pole with low noise
- Emerson HP/LP pressure switch
- Emerson sight glass
- Emerson filter drier
- Liquid receiver
- Pressure gauges
- Acoustic case lining
- Service valves
- Siemens switch
- Schneider AC contactor
- Schneider overload protector
- Carlo phase protector
- Oil separator
- Suction accumulator
- Alco fan speed controller(Option)
- CE marked

TYU(7-15HP)

TYU

TYXJ(15-30HP)

TYXJ

R404A

Model	Compressor	HP	Condenser	Axial fan motor			Connect		Dimension (mm)		
			Surface (m^2)	Qty X Dia	Air Flow (m^3/h)	Power (W)	Suction	Liquid	L	W	H
TYU107MY	ZB48KQE	7	97	2×500	14000	450×2	7/8"	5/8"	1345	845	968
TYU108MY	ZB58KQE	8	95	2×500	14000	450×2	1-1/8"	5/8"	1345	845	968
TYU109MY	ZB66KQE	9	117	2×500	14000	450×2	1-3/8"	5/8"	1345	845	1100
TYU110MY	ZB76KQE	10	121	2×500	14000	450×2	1-3/8"	7/8"	1345	845	1060
TYU113MY	ZB88KQE	13	153	2×600	21000	780×2	1-3/8"	7/8"	1550	980	1218
TYU115MY	ZB114KQE	15	175	2×600	21000	780×2	1-3/8"	7/8"	1550	980	1218
TYXJ120MY	ZB150KQE	20	200	2×630	24000	800×2	1-5/8"	7/8"	1765	1080	1902
TYXJ122MY	ZB150KQE	22	220	2×630	24000	800×2	1-5/8"	7/8"	1765	1080	1902
TYXJ125MY	ZB190KQE	25	240	2×630	28000	800×2	1-5/8"	7/8"	2105	1313	2056
TYXJ130MY	ZB220KQE	30	300	2×630	36000	800×2	1-5/8"	7/8"	2105	1313	2056

COPELAND ZFI PACKAGE TOP BLOWING CONDENSING UNIT

R404A

Model	Compressor	HP	Condenser	Axial fan motor			Connect		Dimension (mm)		
			Surface (m^2)	Qty X Dia	Air Flow (m^3/h)	Power (W)	Suction	Liquid	L	W	H
TYU204LY	[illegible]	4	49	1×500	7000	450	3/8"	1/2"	910	845	968
TYU206LY	[illegible]	6	70	2×500	14000	450×2	7/8"	1/2"	1345	845	968
TYU208LY	[illegible]	8	97	2×500	14000	450×2	7/8"	5/8"	1345	845	968
TYU210LY	[illegible]	10	117	2×500	14000	450×2	7/8"	5/8"	1345	845	1060
TYU212LY	ZF50KQE	12	121	2×500	14000	450×2	1-1/8"	5/8"	1345	845	1058
TYU215LY	ZF59KQE	15	153	2×600	21000	780×2	1-3/8"	7/8"	1550	980	1218
TYXJ220LY	ZF81KQE	20	200	2×630	24000	800×2	1-3/8"	7/8"	1765	1080	1902
TYXJ225LY	[illegible]	25	240	2×630	24000	800×2	1-5/8"	7/8"	2105	1313	2056
TYXJ230LY	ZF122KQE	30	290	2×630	24000	800×2	1-5/8"	7/8"	2105	1313	2056

COPELAND ZB PACKAGE TOP BLOWING CONDENSING UNIT

R404A

Model	Condensing temperature ℃		Cooling capacity(kw) Power(kw)					
			Evaporating Temperature ℃					
			-20	-15	-10	-5	0	5
TYU107MY (ZB48KQE)	30	Q	9.95	11.49	13.85	16.75	20.0	23.66
		P	3.65	3.60	3.66	3.67	3.66	3.64
	40	Q	8.15	10.0	12.1	14.5	17.3	20.5
		P	4.58	4.60	4.65	4.63	4.6	4.57
	50	Q	6.75	8.3	10.05	12.09	14.4	17.1
		P	5.90	5.9	5.88	5.88	5.82	5.77
TYU108MY (ZB58KQE)	30	Q	11.10	13.85	16.80	19.88	23.8	28.2
		P	4.48	4.54	4.62	4.69	4.72	4.71
	40	Q	9.49	11.68	14.37	17.48	20.9	24.8
		P	5.60	5.63	5.67	5.72	5.77	5.77
	50	Q	7.40	8.85	12.20	14.8	17.8	20.7
		P	7.21	7.12	7.08	7.08	7.1	7.1
TYU109MY (ZB66KQE)	30	Q	12.76	15.55	18.80	22.65	26.9	31.9
		P	5.03	5.09	5.16	5.23	5.38	5.48
	40	Q	11.05	13.5	16.35	19.55	23.25	27.5
		P	6.24	6.29	6.34	6.38	6.46	6.54
	50	Q	9.10	11.25	13.85	15.75	19.45	22.95
		P	7.85	7.86	7.86	7.9	7.90	7.88
TYU110MY (ZB76KQE)	30	Q	14.90	18.25	22.15	26.8	31.70	37.45
		P	5.92	5.80	6.03	6.15	6.22	6.27
	40	Q	12.90	15.9	19.35	23.25	27.85	32.66
		P	7.22	7.31	7.38	7.48	7.56	7.62
	50	Q	10.60	13.25	16.25	19.5	23.03	27.45
		P	8.10	8.12	8.16	8.21	8.26	8.3
TYU113MY (ZB88KQE)	30	Q	18.55	22.75	27.40	32.75	38.95	46.15
		P	7.84	7.90	7.67	7.81	7.94	8.04
	40	Q	15.80	19.5	23.85	28.55	33.90	40
		P	9.4	9.43	9.50	9.56	9.60	9.75
	50	Q		15.5	19.60	23.75	28.35	33.65
		P		11.84	11.87	11.91	11.89	12.02
TYU115MY (ZB114KQE)	30	Q	21.9	27.0	32.75	38.38	46.60	55.36
		P	9.04	9.05	9.17	9.31	9.46	9.61
	40	Q	18.3	20.05	28.85	34.10	40.7	48.2
		P	11.22	11.28	11.31	11.38	11.47	11.57
	50	Q		16.28	20.0	28.25	33.69	40.45
		P		14.20	14.15	14.12	14.11	14.13
TYXJ120MY (ZB150KQE)	30	Q	23.56	28.67	34.8	41.92	48.85	59.22
		P	8.12	9.28	9.35	9.63	9.67	9.78
	40	Q	20.64	25.42	30.83	36.88	44.0	52.0
		P	11.24	11.36	11.5	11.65	11.70	11.9
	50	Q		21.57	26.32	31.01	37.55	44.28
		P			17.48	17.58	17.62	17.68
TYXJ122MY (ZB150KQE)	30	Q	28.08	35.42	42.75	51.29	60.95	71.98
		P	11.72	11.83	11.99	12.27	12.74	13.45
	40	Q	25.52	31.0	37.39	44.78	53.27	62.68
		P	14.36	14.53	14.65	14.81	15.05	15.48
	50	Q			31.77	37.95	45.20	53.61
		P			18.56	18.22	18.38	18.60
TYXJ125MY (ZB190KQE)	30	Q	36.41	44.54	53.55	64.17	76.31	90.11
		P	14.74	14.87	15.08	15.43	16.02	16.80
	40	Q	31.85	38.61	46.81	56.08	66.70	78.65
		P	16.09	16.27	16.43	16.62	16.83	19.44
	50	Q			39.78	47.36	56.59	66.59
		P			22.72	20.01	20.11	23.28
TYXJ130MY (ZB220KQE)	30	Q	44.95	54.74	66.11	79.22	94.21	111.25
		P	17.75	17.60	18.17	18.68	19.30	20.38
	40	Q	38.44	47.31	57.75	69.21	82.34	97.34
		P	21.78	22.01	22.20	22.44	22.81	23.42
	50	Q			49.11	58.72	69.86	82.72
		P			27.37	27.61	27.85	28.16

COPELAND ZFI PACKAGE TOP BLOWING CONDENSING UNIT

R404A

Model	Condensing temperature ℃		Cooling capacity(kw) Power(kw)						
			Evaporating Temperature ℃						
			-40	-35	-30	-25	-20	-10	0
TYU204LY ([illegible])	30	Q	3.43	4.29	5.20	6.30	7.50	10.40	14.09
		P	2.17	2.23	2.2	2.34	2.46	2.58	2.92
	40	Q	3.25	4.07	4.86	6.64	7.23	10.14	13.88
		P	2.71	2.79	2.94	2.93	3.07	3.19	3.29
	50	Q	2.88	3.70	4.58	5.52	6.80	9.73	13.51
		P	3.50	3.56	3.62	3.68	3.75	3.90	4.01
TYU206LY ([illegible])	30	Q	5.14	6.09	7.61	9.14	10.60	15.00	20.70
		P	3.22	3.38	3.38	3.33	3.94	4.11	4.37
	40	Q	5.09	6.12	7.33	8.74	10.09	14.43	19.86
		P	3.65	4.07	4.28	4.47	4.65	4.97	5.28
	50	Q	5.08	5.47	7.03	8.32	9.84	13.70	18.63
		P	4.73	5.01	5.26	5.40	5.70	6.07	6.38
TYU208LY ([illegible])	30	Q	6.49	8.01	9.78	11.70	13.48	18.20	21.45
		P	3.78	4.05	4.28	4.62	4.75	4.87	5.42
	40	Q	6.39	7.67	9.27	11.08	13.09	19.38	20.38
		P	4.46	4.86	5.21	5.52	5.86	6.05	6.47
	50	Q	6.24	7.42	9.82	10.43	12.26	14.30	18.87
		P	5.21	5.76	6.29	6.72	7.08	7.42	7.91
TYU210LY ([illegible])	30	Q	7.44	9.19	11.19	13.42	15.89	18.56	24.81
		P	4.49	4.87	5.10	6.38	5.64	5.97	6.45
	40	Q	7.22	8.80	10.83	12.71	15.04	17.68	25.34
		P	5.30	5.78	6.19	6.56	6.90	7.19	7.70
	50	Q	7.16	8.51	10.12	11.87	14.06	16.41	21.76
		P	6.19	6.87	7.47	7.99	8.43	8.82	9.40
TYU212LY (ZF50KQE)	30	Q	9.11	10.80	12.99	15.43	18.69	22.08	29.58
		P	5.04	5.42	5.78	6.06	6.38	6.87	7.31
	40	Q	8.68	10.29	12.40	14.61	17.77	20.94	27.91
		P	6.06	6.48	6.88	7.26	7.61	7.87	8.72
	50	Q	8.04	9.65	11.66	14.07	16.79	19.76	26.23
		P	7.21	7.76	8.25	8.67	9.09	9.50	10.38
TYU215LY (ZF59KQE)	30	Q	11.10	13.19	15.82	19.85	22.74	26.86	38.22
		P	6.15	6.61	7.03	7.41	7.77	8.14	8.92
	40	Q	10.65	12.53	15.00	18.16	21.85	25.51	34.21
		P	7.39	7.91	8.39	8.85	9.29	9.71	10.65
	50	Q	9.86	11.75	14.21	17.14	20.45	24.05	31.95
		P	8.92	9.51	10.05	10.58	11.09	11.58	12.66
TYXJ220LY (ZF81KQE)	30	Q	14.37	17.01	20.48	24.63	29.43		
		P	8.26	8.67	9.44	9.86	10.45		
	40	Q	13.88	16.23	19.55	23.40	28.03		
		P	9.94	10.84	11.30	11.90	12.49		
	50	Q	12.86	15.21	18.41	22.18	26.47		
		P	11.38	12.78	13.53	14.23	14.91		
TYXJ225LY ([illegible])	30	Q	18.80	21.90	26.50	32.10	39.10	57.50	
		P	10.80	11.30	11.80	12.40	13.10	14.80	
	40	Q	17.40	21.20	25.70	30.80	37.00	52.80	
		P	13.30	13.95	14.60	15.25	15.90	17.45	
	50	Q		19.40	23.20	28.10	34.70	48.30	
		P		17.20	18.10	18.80	19.30	20.90	
TYXJ230LY ([illegible])	30	Q	23.14	27.87	33.50	40.53	49.30	58.91	87.50
		P	13.14	13.77	14.45	15.18	16.01	18.96	19.83
	40	Q	21.38	26.81	32.42	38.89	46.75	65.51	79.27
		P	16.21	17.02	17.80	18.58	19.40	26.28	32.30
	50	Q	18.34	23.62	30.52	36.81	43.84	51.85	71.51
		P	20.57	21.72	22.09	22.86	23.76	24.62	28.39

COPELAND SCROLL ZB CONDENSING UNIT

Model:

ZB15KQE - P - G8

- G8 → Condenser
- P → P:220V/50HZ,T:380V-3PH-50HZ
- ZB15KQE → Compressor model

Technical Data

Model	Displacement	Max.Oper. Current	Receiver	Overall Dimension (mm)			Installing Size (mm)		Connection	
	m^3/h	A	L	L	W	H	A	B	SL	FL
ZB15KQE-P-G8	5.90	16.00	3	735	650	583	695	388	3/4"	3/8"
ZB19KQE-P-K9	6.60	16.00	3	860	590	484	915	320	3/4"	3/8"
ZB21KQE-P-K9	8.60	23.00	4	950	590	451	915	320	3/4"	3/8"
ZB26KQE-P-P6	8.90	24.00	4	950	590	604	915	320	3/4"	3/8"
ZB29KQE-T-Q7	11.40	11.00	6	1190	680	863	1155	395	7/8"	3/8"
ZB38KQE-T-Q7	14.40	13.50	6	1190	680	863	1155	395	7/8"	1/2"
ZB45KQE-T-Q8	17.20	16.10	6	1180	680	863	1155	395	7/8"	1/2"
ZB48KQE-T-Q8	16.60	17.00	6	1190	680	863	1155	395	7/8"	1/2"
ZB58KQE-T-T9	22.10	23.00	12	1190	740	714	1155	395	1 1/8"	5/8"
ZB66KQE-T-T9	25.70	24.20	12	1190	745	714	1155	395	1 3/8"	5/8"
ZB76KQE-T-V8A	28.80	26.90	14	1310	750	712	1275	410	1 3/8"	5/8"
ZB95KQE-T-W8A	32.20	31.00	14	1315	750	712	1275	410	1 3/8"	5/8"
ZB114MCE-T-W8A	43.30	38.00	18	1620	805	864	1580	440	1 3/8"	7/8"

Model		ambient temp ℃	Capacity(watts) Evaporating Temperature ℃							
			10	7	5	0	-5	-10	-15	-20
ZB15KQE-P-G8	Q	32	9900	6380	6060	5220	4440	3790	3160	2570
		38	8140	5660	5370	4660	4010	3380	2820	2340
		43	5370	4920	4660	4070	3470	2960	2430	1960
	P	38	1.56	1.58	1.58	1.60	1.64	1.65	1.72	1.76
ZB19KQE-P-K9	Q	32	7940	7340	6830	6030	5130	4370	3670	3060
		38	7170	6810	6270	5450	4680	4000	3370	2880
		43	6490	5960	5640	4920	4230	3620	3090	2630
	P	38	2.02	2.02	2.03	2.04	2.05	2.06	2.07	2.07
ZB21KQE-P-K9	Q	32	9300	8660	8200	7120	6120	5210	4350	3590
		38	8460	7810	7470	6500	5610	4750	4000	3080
		43	7610	7030	6660	5790	5020	4300	3650	3130
	P	38	2.38	2.35	2.39	2.41	2.42	2.43	2.44	2.44
ZB26KQE-P-P6	Q	32	11470	10590	10040	8590	7460	6310	5320	4400
		38	10380	9550	9090	7880	6800	5770	4920	4180
		43	9370	8650	8180	7080	6150	5220	4460	3860
	P	38	2.78	2.79	2.80	2.81	2.83	2.84	2.85	2.85
ZB29KQE-T-Q7	Q	32	13370	12420	11780	10075	8810	7480	6280	5090
		38	12170	11240	10730	9320	8010	6830	5700	4780
		43	11080	10210	9670	8400	7220	6120	5180	4330
	P	38	3.12	3.13	3.14	3.16	3.18	3.21	3.23	3.24
ZB38KQE-T-Q7	Q	32		15300	14520	12630	10630	9210	7710	6370
		38		13820	13150	11470	9880	7944	7090	6020
		43		12510	11890	10310	8880	7530	6400	5500
	P	38		3.97	3.98	4.01	4.03	4.03	4.03	4.03
ZB45KQE-T-Q8	Q	32	18060	17160	14920	12840	10880	9140	7530	6260
		38	16200	15490	13460	11610	9900	8967	7080	6010
		43	14650	13870	12080	10460	8810	7570	6820	
	P	38	4.68	4.69	4.63	4.67	4.70	4.71	4.71	4.70
ZB48KQE-T-Q8	Q	32	19690	18830	16380	14040	11880	9960	8240	6860
		38	17760	16960	14800	12600	10910	9180	7790	6560
		43	15960	15200	13340	11510	9810	8300	7100	
	P	38	5.12	5.11	5.08	5.04	5.08	5.05	5.08	5.07

Standard Features

- Copeland scroll ZB compressor
- Crankcase heater
- Air cooled condenser
- Axial fan
- Liquid receiver
- Emerson HP/LP controls
- Pressure gauges
- Emerson filter drier
- Emerson sight glass
- Emerson oil separator
- Emerson solenoid valve
- Schneider contactor
- Carlo phase protector(3 Phase Only)

Options:

- Fan speed controller
- Suction accumulator

ZB58KQE-T-T9	Q	32	22390	21200	18400	15860	13490	10710	9410	7910
		38	20010	19130	16670	14420	12210	10400	8690	7620
		43	18000	17120	15020	12960	11150	9580	8240	
	P	38	6.47	6.45	6.35	6.27	6.24	6.18	6.11	6.05
ZB66KQE-T-T9	Q	32	25900	24540	21310	18330	15630	13150	10910	9160
		38	23150	22130	19320	16700	14290	12130	10330	8840
		43	20990	19900	17420	15110	13060	11110	9620	
	P	38	7.50	7.43	7.24	7.08	6.98	6.80	6.72	6.37
ZB76KQE-T-W8A	Q	32	31420	29700	25930	22211	18860	15940	13230	11100
		38	27810	26860	23440	20240	17360	14750	12620	10760
		43	25520	24210	21140	18330	15780	13490	11710	
	P	38	9.30	9.15	8.88	8.65	8.45	8.25	8.05	7.84
ZB88KQE-T-W8A	Q	32	38510	34590	29970	25750	22090	18640	15470	13000
		38	32930	31390	27300	23630	20230	17170	14730	12570
		43	29770	28100	24550	21320	18330	15740	13660	
	P	38	10.82	10.51	10.21	9.87	9.77	9.57	9.37	9.03
ZB114KQE-T-W8A	Q	32	45270	43070	37340	31990	27560	23020	19190	16080
		38	41120	38980	34160	29380	25070	21210	18120	15400
		43	37340	35210	30830	26600	22720	19400	16720	
	P	38	11.18	12.98	12.68	12.48	12.28	12.08	11.88	11.58

COPELAND SCROLL ZF CONDENSING UNIT

Model:

ZF06KQE -T-FN22
→ Condenser
→ 380-420V,3PH,50HZ
→ Compressor model

Technical Data

Model	Displacement	Max Oper Current	Receiver	Overall Dimension (mm)			Installing Size (mm)		Connection	
	m³/h	A	L	L	W	H	A	B	Dis	Suction
ZF06KQE-T-FN22	34	5	3	880	670	565	840	378	3/8"	3/4"
ZF08KQE-T-FN25	42	5	3	880	670	615	840	378	3/8"	3/4"
ZF09KQE-T-FN33	46.2	6	4	917	780	510	877	358	3/8"	3/4"
ZF11KQE-T-FN36	57.2	7.1	4	1048	740	615	1010	385	3/8"	3/4"
ZF13KQE-T-FN43	67.1	8	5	1048	740	715	1010	385	1/2"	7/8"
ZF15KQE-T-FN46	82.6	10	6	1272	750	685	1235	395	1/2"	7/8"
ZF18KQE-T-FN55	98	12.3	6	1272	780	785	1235	395	1/2"	7/8"
ZF25KQE-T-FN70	122.9	13.7	6	1272	780	675	1235	395	5/8"	7/8"
ZF28KQE-T-FN80	144.4	16.8	12	1275	750	675	1235	395	5/8"	7/8"
ZF34KQE-T-FN100	167.5	25	12	1470	1000	1200	1430	700	5/8"	1-3/8"
ZF41KQE-T-FN130	203	26	14	1470	1000	1205	1430	700	5/8"	1-3/8"
ZF49KQE-T-FN150	243.7	30	16	1598	1100	1300	1595	900	7/8"	1-3/8"

Standard Features

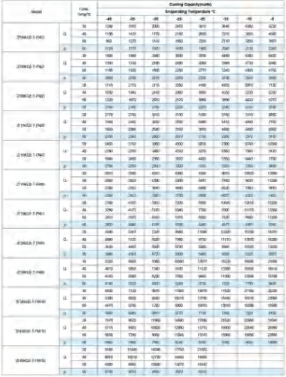
- ZF compressor
- Crankcase heater
- Axial fan
- Air cooled condenser
- Liquid receiver
- Emerson HP/LP controls
- Pressure gauges
- Emerson filter drier
- Emerson sight glass
- Oil separator
- Suction accumulator
- Emerson solenoid valve
- Schneider contactor

Carlo phase protector(3 Phase Only)

Options:

- Fan speed controller

R404A



Model | Cond. temp℃ | Cooling Capacity(watts) | Evaporating Temperature ℃

PACKAGE BITZER CONDENSING UNIT

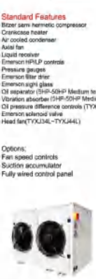
TYWB XX M Y
→ R404A,R449A,R448A
→ M:Medium temperature
L: Low temperature
→ Horse power
→ TYWB:Horizontal blowing
TYXJ:Top blowing

Standard Features

- Bitzer semi hermetic compressor
- Crankcase heater
- Air cooled condenser
- Axial fan
- Liquid receiver
- Emerson HP/LP controls
- Pressure gauges
- Emerson filter drier
- Emerson sight glass
- Oil separator (5HP-50HP Medium temperature,5HP-44HP Low temperature)
- Vibration absorber (5HP-50HP Medium temperature,5HP-44HP Low temperature)
- Oil pressure difference controls (TYXJ25M~TYXJ50M,TYXJ18L~TYXJ44L)
- Emerson solenoid valve
- Head fan(TYXJ34L~TYXJ44L)

Options:

- Fan speed controls
- Suction accumulator
- Fully wired control panel



(2-12HP MBP
2-14HP LBP)

(15-50HP MBP
18-44HP LBP)

PACKAGE BITZER CONDENSING UNIT

R404A

MBP

Model	Compressor	H.P	Condenser	Cooling Capacity(Watts)				Axial Fan			Connect		Dimension(mm)		
			surface (m²)	Te 0℃	Te -5℃	Te -10℃	Te -15℃	Q'ty X DIA	Air Flow (m³/H)	Power (W)	Suction	Liquid	L	W	H
TYWB02MY	2GES-2Y	2	20	4620	3820	3740	2510	2X350	4700	280	5/8"	3/8"	1265	890	835
TYWB03MY	2DES-3Y	3	30	8760	7270	5940	4790	2X350	4700	280	7/8"	1/2"	1265	890	835
TYWB04MY	2CES-4Y	4	40	10830	8990	7380	5990	2X400	7980	280	7/8"	1/2"	1265	890	835
TYWB05MY	4FES-5Y	5	50	11760	9740	7968	6440	2X400	7980	450	7/8"	1/2"	1265	890	835
TYWB06MY	4EES-6Y	6	60	14850	12250	9996	8050	2X400	7980	450	1-1/8"	1/2"	1265	890	835
TYWB07MY	4DES-7Y	7	88	18090	14910	12190	9830	2X500	13320	280X2	1-1/8"	5/8"	1465	890	1035
TYWB09MY	4CES-9Y	9	91	22050	18140	14770	11870	2X500	13320	280X2	1-1/8"	5/8"	1465	890	1035
TYWB10MY	4VES-10Y	10	103	28070	18790	15110	11950	2x500	13320	450X2	1-1/8"	5/8"	1465	890	1035
TYWB12MY	4TES-12Y	12	120	27930	22830	18440	14890	2x500	13320	450X2	1-3/8"	5/8"	1465	890	1035
TYXJ15MY	4PES-15Y	15	150	31750	25630	20730	16350	2X630	24300	800X2	1-5/8"	7/8"	1765	1080	1802
TYXJ20MY	4NES-20Y	20	200	37920	31080	25130	20040	2X630	24300	800X2	1-5/8"	7/8"	1765	1080	1802
TYXJ25MY	4HE-25Y	25	230	49680	41060	33560	27040	2X630	24300	800X2	2-1/8"	7/8"	2105	1313	2056
TYXJ30MY	4GE-30Y	30	290	56740	47040	38510	31160	2X630	24300	800X2	2-1/8"	7/8"	2105	1313	2056
TYXJ35MY	6HE-35Y	35	320	73010	60370	49390	39830	3X630	36450	800X3	2-1/8"	1-1/8"	3095	1134	2042
TYXJ40MY	6GE-40Y	40	400	83410	68500	56250	45620	3X630	36450	800X3	2-1/8"	1-1/8"	3095	1134	2042
TYXJ50MY	6FE-50Y	50	500	100130	83400	68700	55650	3X630	36450	800X3	2-1/8"	1-1/8"	3095	1134	2042

Condensing temperature 50℃, Ambient temperature 35℃

PACKAGE BITZER CONDENSING UNIT

BITZER SEMI HERMETIC CONDENSING UNIT

Model:

Model	Compressor	H.P.	Condenser surface (m2)	Cooling Capacity(Watts) Te -15℃	Te -20℃	Te -25℃	Te -30℃	Axial Fan Q'ty X DIA	Air Flow (m³/H)	Power (W)	Connect Suction	Liquid	Dimension(mm) L	W	H
TYWB02LY	2DES-2Y	2	18	4790	3790	2930	2190	2X350	4700	260	7/8"	1/2"	1265	890	635
TYWB03LY	4FES-3Y	3	20	6440	5140	4030	3100	2X350	4700	260	7/8"	1/2"	1265	890	635
TYWB04LY	4EES-4Y	4	30	8220	6550	5130	3930	2X350	4700	260	1-1/8"	1/2"	1265	890	635
TYWB05LY	4DES-5Y	5	40	9630	7640	6130	4700	2X400	7980	260	1-1/8"	1/2"	1265	890	835
TYWB06LY	4CES-6Y	6	50	11870	9410	7330	5570	2X400	7980	450	1-1/8"	1/2"	1265	890	835
TYWB09LY	4TES-9Y	9	70	14730	11540	8840	6800	2x500	13320	280X2	1-3/8"	5/8"	1465	890	1035
TYWB12LY	4PES-12Y	12	100	16450	12740	9630	7050	2x500	13320	450X2	1-3/8"	5/8"	1465	890	1035
TYWB14LY	4NES-14Y	14	120	19940	15630	11990	8960	2x500	13320	800X2	1-3/8"	7/8"	1465	890	1035
TYXJ18LY	4HE-18Y	18	150	27780	22150	17360	13300	2x630	24300	800X2	1-5/8"	7/8"	1765	1080	1902
TYXJ23LY	4GE-23Y	23	200	32390	26020	20580	15960	2x630	24300	800X2	2-1/8"	1-1/8"	1765	1080	1902
TYXJ28LY	6HE-28Y	28	230	40915	32630	25580	19570	2x630	24300	800X2	2-1/8"	1-1/8"	2105	1313	2056
TYXJ34LY	6GE-34Y	34	290	48410	39150	31160	24350	2x630	24300	800X2	2-1/8"	1-1/8"	2105	1313	2056
TYXJ44LY	6FE-44Y	44	400	57920	46700	37000	28660	3X630	36450	800X3	2-1/8"	1-1/8"	3085	1134	2042

Condensing temperature 50℃, Ambient temperature 35℃

STY B A XX L Y

→ Refrigerant Y:R404A ,R448A,R449A
→ Temperature: M:-20~-10℃ L:-30~-15℃
→ Horse Power compressor input(HP)
→ Air Cooled Type
→ Compressor brand:BITZER
→ STY: two stage ; TY: single stage

Standard Features

- Bitzer semi-hermetic compressor
- Crankcase heater
- Air cooled condenser
- Axial fan
- Liquid receiver
- Emerson HP/LP controls
- Pressure guages
- Emerson filter drier
- Emerson sight glass
- Oil separator(TYBA07M~TYBA50M,TYBA05L~TYBA44L)
- Vibration absorber(TYBA07M~TYBA50M,TYBA05L~TYBA44L)
- Oil pressure difference controls(TYBA25M~TYBA50M,TYBA15L~TYBA44L)
- Emerson solenoid valve
- Head Fan(TYBA34L~TYBA44L)

Options:

- Fan speed controller
- Suction accumulator
- Fully wired electrical panel

R404A

Model		Ambient Temperature ℃	Capacity(watts) Evaporating Temperature ℃ 5	0	-5	-10	-15	-20	-25	-30
TYBA02MY (2HES-2Y)	Q	32	5712	4883	4148	3392	2867	2331	1848	1449
		38	5103	4389	3717	3108	2562	2079	1649	1281
		43		4022	3371	2825	2363	1901	1502	1208
	P	32	2.01	1.93	1.83	1.71	1.58	1.44	1.29	1.13
TYBA02MY (2GES-2Y)	Q	32	6531	5597	4746	4001	3308	2688	2142	1680
		38	5806	5019	4253	3560	2961	2405	1932	1533
		43		4599	3875	3276	2762	2247	1827	1491
	P	32	2.35	2.25	2.13	1.99	1.84	1.68	1.51	1.33
TYBA03MY (2FES-3Y)	Q	32	7665	6710	5754	4904	4095	3360	2688	2142
		38	6940	6048	5187	4389	3686	3024	2447	1943
		43		5565	4725	4043	3434	2814	2289	1890
	P	32	2.85	2.73	2.57	2.40	1.24	2.01	1.79	1.57
TYBA03MY (2EES-3Y)	Q	32		7980	6794	5859	4904	4032	3234	2562
		38		7214	6216	5271	4473	3665	2872	2352
		43			5723	4914	4190	3455	2814	2321
	P	32		3.38	3.20	2.99	2.77	2.52	2.26	1.98
TYBA03MY (2DES-3Y)	Q	32		9051	7844	6678	5597	4641	3791	2982
		38		8190	7014	6017	5019	4158	3381	2667
		43			6384	5439	4568	3759	3024	2384
	P	32		3.86	3.66	3.42	3.15	2.86	2.55	2.23
TYBA04MY (2CES-4Y)	Q	32		11928	10217	8610	7182	5901	4809	3770
		38		10742	9230	7770	6510	5345	4337	3402
		43			8421	7109	5943	4914	3948	3140
	P	32		4.74	4.47	4.17	3.84	3.49	3.12	2.73
TYBA05MY (4FES-5Y)	Q	32	14963	12947	11109	9482	7928	6500	5219	4148
		38	13388	11697	10038	8495	7172	5891	4746	3780
		43	12548	10784	9188	7865	6699	5523	4515	3738
	P	32	5.33	5.13	4.86	4.55	4.20	3.81	3.40	2.97
TYBA06MY (4EES-6Y)	Q	32	18449	15992	13829	11687	9776	8085	6468	5061
		38	16317	14270	12264	10437	8726	7161	5733	4484
		43		13146	11099	9450	7907	6521	5250	4137
	P	32	6.63	6.36	6.01	5.60	5.14	4.64	4.10	3.54
TYBA07MY (4DES-7Y)	Q	32		18449	15971	13619	11456	9461	7655	6017
		38		16181	13997	11939	10028	8253	6626	5156
		43			12663	10584	8862	7287	5828	4505
	P	32		7.51	7.13	6.67	6.15	5.56	4.93	4.26
TYBA09MY (4CES-9Y)	Q	32		22271	19310	16548	13997	11634	9503	7550
		38		19583	17052	14637	12369	10280	8358	6615
		43			15414	13157	11130	9240	7487	5880
	P	32		9.09	8.63	8.08	7.46	6.77	6.04	5.27
TYBA10MY (4VES-10Y)	Q	32			20391	17472	14763	12212	9870	7718
		38			17829	15236	12800	10542	8421	6521
		43				13409	11225	9198	7319	5618
	P	32			8.57	7.91	7.19	6.41	5.60	4.79

R404A

Model		Ambient Temperature ℃	Capacity(watts) Evaporating Temperature ℃ 0	-5	-10	-15	-20	-25	-30
TYBA12MY (4TES-12Y)	Q	32	30345	25967	22019	18470	15131	12159	9060
		38	27122	23258	19656	16328	13335	10605	7840
		43		20874	17619	14522	11739	9198	6630
	P	32	11.30	10.59	9.79	8.93	8.02	7.08	6.12
TYBA15MY (4PES-15Y)	Q	32	33695	29337	25106	21168	17525	14186	10960
		38	29957	26030	22271	18774	15446	12390	9180
		43		23247	19698	16433	13388	10563	7650
	P	32	12.87	11.98	11.05	10.06	9.03	7.96	6.86
TYBA20MY (4NES-20Y)	Q	32	38787	33810	28949	24487	20528	16527	12350
		38	34503	29925	25589	21546	17703	14217	10630
		43		27174	22701	18900	15330	12096	8750
	P	32	15.21	14.15	12.99	11.74	10.44	9.11	7.79
TYBA25MY (4HE25Y)	Q	32	54044	46074	38735	32403	26093	20759	15920
		38	48035	41801	34734	28728	23216	18312	14020
		43		38010	32004	26009	20874	16611	12490
	P	32	20.53	19.27	17.83	16.29	14.67	12.98	11.27
TYBA30MY (4GE-30Y)	Q	32		51870	44352	41288	30009	24056	18610
		38		47051	39584	32960	26807	21252	16380
		43			36498	29820	24129	19278	14550
	P	32		22.38	20.64	18.81	16.93	15.03	13.16
TYBA35MY (6HE-35Y)	Q	32	81060	69846	58068	49224	39480	31301	23490
		38	73626	63042	52689	43607	34808	27521	20430
		43		57569	48752	39417	31605	25179	18200
	P	32	30.84	28.90	26.78	24.52	22.13	19.65	17.10
TYBA40MY (6GE-40Y)	Q	32		77921	68654	61929	44951	36047	27850
		38		70497	59178	49371	40163	32141	24640
		43			54705	44825	36341	29096	22080
	P	32		33.53	31.00	28.36	25.62	22.79	19.90
TYBA50MY (6FE-50Y)	Q	32	110303	95330	80798	67767	54768	43838	33360
		38	100338	86184	72608	60228	48342	38577	29060
		43		78488	66644	54233	43701	35049	25600
	P	32	43.68	40.61	37.37	34.00	30.56	27.11	23.66

R404A

Model		Ambient Temperature ℃	Capacity(watts) Evaporating Temperature ℃ -10	-15	-20	-25	-30	-35	-40
TYBA02LY (2FES-2Y)	Q	32	4505	3822	3213	2699	2163	1691	1271
		38	3980	3339	2825	2363	1669	1428	1040
		43	3434	3003	2541	2100	1638	1197	
	P	32	2.46	2.21	2.01	1.79	1.57	1.34	1.12
TYBA02LY (2EES-2Y)	Q	32	5460	4652	3885	3234	2583	2048	1533
		38	4883	4106	3476	2867	2279	1764	1292
		43		3738	3192	2583	2027	1512	
	P	32	2.86	2.61	2.36	2.09	1.84	1.58	1.33
TYBA02LY (2DES-2Y)	Q	32		5481	4683	3896	3129	2436	1806
		38		4893	4179	3434	2709	2069	1512
		43		4578	3780	3035	2363	1743	
	P	32		3.00	2.70	2.39	2.07	1.74	1.42
TYBA03LY (2CES-3Y)	Q	32		6878	5660	4673	3633	2940	2184
		38		6122	5030	4127	3329	2562	1890
		43			4610	3759	2982	2226	
	P	32		3.75	3.40	3.05	2.66	2.28	1.90
TYBA03LY (4FES-3Y)	Q	32		7844	6563	5408	4337	3371	2531
		38		6962	5817	4778	3822	2909	2153
		43			5292	4305	3381	2520	
	P	32		4.20	3.80	3.38	2.95	2.53	2.10
TYBA04LY (4EES-4Y)	Q	32	11613	9587	8001	6584	5261	4085	3045
		38	10238	8432	7014	5744	4568	3476	2573
		43		7623	6342	5145	4043	2993	
	P	32	5.52	5.06	4.58	4.07	3.53	2.99	2.44
TYBA05LY (4DES-5Y)	Q	32	14826	12243	10164	8358	6678	5219	3875
		38	13146	10773	8967	7340	5859	4463	3318
		43		9818	8127	6626	5198	3875	
	P	32	6.60	6.08	5.50	4.89	4.24	3.58	2.92
TYBA06LY (4CES-6Y)	Q	32	17682	14396	11634	9786	7896	6195	4673
		38	15467	12653	10674	8705	7014	5460	4127
		43		11645	9681	7896	6248	4894	
	P	32	7.94	7.32	6.63	5.90	5.13	4.34	3.54

R404A

Model		Ambient Temperature ℃	Capacity(watts) Evaporating Temperature ℃ -10	-15	-20	-25	-30	-35	-40
TYBA09LY (4TES-9Y)	Q	32		18911	15488	12726	10164	7875	5828
		38		16484	13671	11141	8862	6604	5019
		43		14852	12338	9975	7781	5733	
	P	32		8.96	8.01	7.06	6.09	5.11	4.10
TYBA12LY (4PES-12Y)	Q	32		21231	17588	14417	11477	8883	6552
		38		18816	15540	12674	10038	7581	5523
		43			14102	11382	8852	6489	
	P	32		10.26	9.13	7.97	6.82	5.66	4.67
TYBA14LY (4NES-14Y)	Q	32	30408	24749	20659	16853	13461	10427	7707
		38	27059	22428	18333	14942	11858	8967	6563
		43		20087	16622	13419	10416	7634	
	P	32	13.63	12.23	10.89	9.53	8.17	6.82	5.52
TYBA18LY (4HE-18Y)	Q	32			24308	20234	16370	12968	9251
		38			22250	17850	14343	10259	8222
		43			19772	15887	11445	8747	
	P	32			15.03	13.30	11.56	9.63	8.14
TYBA23LY (4GE-23Y)	Q	32			26923	22386	18228	14375	10080
		38			24234	20160	16212	11424	8496
		43			21525	18312	13673	10028	
	P	32			17.20	15.22	13.24	11.27	9.35
TYBA28LY (6HE-28Y)	Q	32		45171	37716	30912	24948	19415	13262
		38		40929	33894	27687	22146	16173	11109
		43		33663	30985	25295	20150	13272	
	P	32		24.91	22.33	19.70	17.03	14.38	11.76
TYBA34LY (6GE-34Y)	Q	32	67620	55881	45896	37538	30020	27794	19016
		38	60764	50505	41591	33915	27090	17042	12485
		43		46505	38376	31574	25190	15078	
	P	32	31.32	28.53	25.63	22.66	19.64	16.57	13.49
TYBA44LY (6FE-44Y)	Q	32		67515	55776	45434	38194	32424	22176
		38		60407	49907	40499	32078	19982	14637
		43		54915	45286	36855	29106	18354	
	P	32		33.19	29.76	26.28	22.69	19.10	15.54

BITZER TWO STAGE CONDENSING UNIT

R404A

Model	Ambient Temperature ℃		Capacity(watts) Evaporating Temperature ℃				
			-30	-35	-40	-45	-50
STYBA05JY (S4T5.2Y)	Q	32	7455	6311	5177	4211	3350
		38	7319	6153	5072	4116	3276
		43	7245	6090	5009	4053	3213
	P	32	5.37	4.96	4.53	4.10	3.65
STYBA08JY (S4N8.2Y)	Q	32	10553	8946	7361	5985	4767
		38	10385	8852	7224	5870	4673
		43	10238	8757	7119	5775	4589
	P	32	7.52	6.92	6.31	5.69	5.06
STYBA12JY (S4G12.2Y)	Q	32	16359	14070	11897	9776	7833
		38	16118	14018	11582	9624	7665
		43	15876	13755	11382	9377	7581
	P	32	11.54	10.62	9.68	8.72	7.77
STYBA16JY (S6J16.2Y)	Q	32	23090	19856	16863	13934	11246
		38	22638	19499	16443	13366	11010
		43	22208	19163	16170	13146	10899
	P	32	16.14	14.66	13.28	11.93	10.65
STYBA20JY (S6H20.2Y)	Q	32	26030	22502	19110	15887	13860
		38	25694	22197	18848	15593	12653
		43	25211	21881	18575	15498	12548
	P	32	18.57	16.89	15.27	13.71	12.22
STYBA25JY (S6G25.2Y)	Q	32	29684	25704	21872	18197	14732
		38	29358	25316	21567	17819	14469
		43	28802	24833	21231	17525	14312
	P	32	21.22	19.26	17.42	15.64	13.92
STYBA30JY (S6F30.2Y)	Q	32	34818	30135	25589	21200	17262
		38	34262	29694	25232	20906	17031
		43	33548	29196	24812	20528	16853
	P	32	25.27	23.06	20.84	18.76	16.70

Technical Data

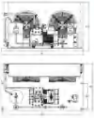
380/420V-3Ph-50Hz

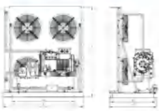
Mode	Displacement	Max Oper Current	Receiver	Overall Dimension (mm)			Install Size (mm)			Tube Connection	
	m³/h	A	L	B	T	H	b	l	Φ	SL	FL
TYBA02MY(2HES-2Y)	6.51	7.4	6	720	675	554	660	330	11	3/8"	5/8"
TYBA02MY(2GES-2Y)	7.58	8.1	6	720	700	554	680	330	11	3/8"	5/8"
TYBA03MY(2FES-3Y)	9.54	10.0	6	760	670	604	720	330	11	3/8"	5/8"
TYBA03MY(2EES-3Y)	11.40	12.0	6	900	690	464	860	300	11	1/2"	7/8"
TYBA03MY(2DES-3Y)	13.40	13.5	6	900	710	504	860	300	11	1/2"	7/8"
TYBA04MY(2CES-4Y)	16.20	16.4	8	1020	690	704	980	300	11	1/2"	7/8"
TYBA05MY(4FES-5Y)	18.10	18.7	10	1280	760	674	1250	420	14	1/2"	7/8"
TYBA06MY(4EES-6Y)	22.70	22.9	12	1280	760	774	1250	420	14	1/2"	1-1/8"
TYBA07MY(4DES-7Y)	26.80	27.5	14	1280	730	680	1250	410	14	5/8"	1-1/8"
TYBA08MY(4CES-8Y)	32.50	34.5	16	1280	820	724	1250	500	14	5/8"	1-1/8"
TYBA10MY(4VES-10Y)	34.70	21.00	18	1280	820	724	1250	500	14	5/8"	1-1/8"
TYBA12MY(4TES-12Y)	41.30	24.00	18	1384	830	727	1324	560	14	5/8"	1-3/8"
TYBA15MY(4PES-15Y)	48.50	31.00	35	1664	820	874	1624	410	14	7/8"	1-5/8"
TYBA20MY(4NES-20Y)	56.20	37.00	35	1360	880	1373	1330	560	14	7/8"	1-5/8"
TYBA25MY(4HE-25Y)	73.70	45.00	38	1660	830	1274	1630	410	14	7/8"	2-1/8"
TYBA30MY(4GE-30Y)	84.60	53.00	38	—	—	—	—	—	—	7/8"	2-1/8"
TYBA35MY(6HE-35Y)	110.50	61.00	50	—	—	—	—	—	—	1-1/8"	2-1/8"
TYBA40MY(6GE-40Y)	126.80	78.00	50	—	—	—	—	—	—	1-1/8"	2-1/8"
TYBA50MY(6FE-50Y)	151.60	92.00	85	—	—	—	—	—	—	1-3/8"	2-1/8"
TYBA02LY(2FES-2Y)	9.54	8.5	3	706	688	500	668	320	11	3/8"	5/8"
TYBA02LY(2EES-2Y)	11.40	9.8	6	740	700	554	700	330	11	3/8"	7/8"
TYBA02LY(2DES-2Y)	13.40	11.9	6	740	700	584	700	300	11	1/2"	7/8"
TYBA03LY(2CES-3Y)	16.20	14.8	6	900	690	434	860	300	11	1/2"	7/8"
TYBA03LY(4FES-3Y)	18.10	15.9	6	900	690	464	860	300	11	1/2"	7/8"
TYBA04LY(4EES-4Y)	22.70	18.5	8	1062	710	604	1022	300	11	1/2"	1-1/8"
TYBA05LY(4DES-5Y)	26.80	23.4	10	1020	690	704	980	300	11	1/2"	1-1/8"
TYBA06LY(4CES-6Y)	32.50	27.5	12	1230	780	694	1190	300	11	1/2"	1-1/8"
TYBA09LY(4TES-9Y)	41.30	17.00	18	1330	800	681	1290	520	14	5/8"	1-3/8"
TYBA12LY(4PES-12Y)	48.50	21.00	18	1330	800	881	1290	520	14	5/8"	1-3/8"
TYBA14LY(4NES-14Y)	56.20	24.00	35	1340	880	734	1316	560	14	7/8"	1-3/8"
TYBA18LY(4HE-18Y)	73.70	31.00	35	1660	780	874	1630	520	14	7/8"	1-5/8"
TYBA23LY(4GE-23Y)	84.60	37.00	35	1360	880	1313	1330	560	14	7/8"	2-1/8"
TYBA28LY(6HE-28Y)	110.50	45.00	38	1410	960	1373	1380	680	14	7/8"	2-1/8"
TYBA34LY(6GE-34Y)	126.80	53.00	38	1660	830	1274	1630	560	14	7/8"	2-1/8"

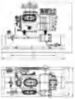
Technical Data

380/420V-3Ph-50Hz

Model	Displacement	Max Oper Current	Receiver	Overall Dimension (mm)			Install Size (mm)		Tube Connection	
	m³/h	A	L	A	B	C	A	B	SL	FL
TYBA44LY(6FE-44Y)	151.60	78.00	50	—	—	—	—	—	1-1/8"	2-1/8"
STYBA05JY(S4T5.2Y)	19.7	14.00	14	1162	956	606	1122	360	5/8"	1-1/8"
STYBA08JY(S4N8.2Y)	28	17.00	14	1280	906	715	1250	580	5/8"	1-1/8"
STYBA12JY(S4G12.2Y)	42.3	24.00	35	1340	1150	766	1310	760	7/8"	1-3/8"
STYBA16JY(S6J16.2Y)	63.5	31.00	35	1310	1080	1431	1280	780	7/8"	1-5/8"
STYBA20JY(S6H20.2Y)	73.6	37.00	35	1380	1150	1373	1350	605	7/8"	1-5/8"
STYBA25JY(S6G25.2Y)	84.5	45.00	35	1410	1080	1373	1380	680	7/8"	1-5/8"
STYBA30JY(S6F30.2Y)	101.1	53.00	35	—	—	—	—	—	7/8"	1-5/8"







PACKAGE INVOTECH CONDENSING UNIT

TYWM 02 MY

Y: R404A, R449A, R448A

M: Medium Temperature : YM

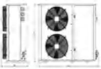
L: Low Temperature: YF

HP

TYWM: INVOTECH 50HZ

TYWN: INVOTECH 60HZ

- Quick install range 2HP – 10HP
- INVOTECH scroll compressor
- Crankcase heater
- Axial fan motor 6 pole with low noise
- HP/LP pressure switch
- Sight glass
- Filter drier
- Liquid receiver
- Pressure gauges
- Acoustic case lining
- Service valves
- Siemens switch
- Schneider AC contactor
- Schneider overload protector
- Carlo phase protector
- Timer delay
- Oil separator(for low temperature)
- Suction accumulator (for low temperature)
- CE marked



PACKAGE INVOTECH SCROLL CONDENSING UNIT

R404A

MBP

INVOTECH

Model	Compressor		Condenser	Axial Fan Motor				Dimension	Connect	
	Model	H.P.	Surface (m²)	N*xΦ	Air Flow m³/h	Noise dBA 10m	Voltage	LXWXH(mm)	Liq.	Suction
TYWM02MY	YM34E2G-100	2	18.5	1X400	3295	44	220V/50HZ	1120*570*633	3/8"	7/8"
TYWM025MY	YM43E2G-100	2.5	24.2	1X480	3775	46	220V/50HZ	1120*570*633	3/8"	7/8"
TYWM03MY	YM48E2G-100	3	32	1X480	3775	46	220V/50HZ	1120*570*633	3/8"	7/8"
TYWM04MY	YM70E1G-100	4	41.4	1X500	5705	47	220V/50HZ	1270*620*832	1/2"	7/8"
TYWM05MY	YM88E1G-100	5	51.2	1X500	5705	48	220V/50HZ	1270*620*832	1/2"	7/8"
TYWM06MY	YM102E1G-100	6	61.1	1X500	5705	48	220V/50HZ	1270*620*832	1/2"	7/8"
TYWM07MY	YM110E1G-100	7	64.4	2X500	11410	52	220V/50HZ	1370*620*1233	5/8"	1-1/8"
TYWM08MY	YM132E1G-100	8	76.6	2X500	11410	52	220V/50HZ	1370*620*1233	5/8"	1-1/8"
TYWM09MY	YM158E1G-100	9	88.3	2X500	11410	52	220V/50HZ	1470*620*1233	5/8"	1-1/8"
TYWM10MY	YM182E1G-100	10	96.1	2X500	11410	52	220V/50HZ	1470*620*1233	5/8"	1-1/8"

220V/60HZ

PACKAGE INVOTECH SCROLL CONDENSING UNIT

R404A

MBP

INVOTECH

Model	Compressor			Condenser	Axial Fan Motor				Dimension	Connect	
	Model	Voltage	H.P.	Surface (m²)	N*xΦ	Air Flow m³/h	Noise dBA 10m	Voltage	LXWXH(mm)	Dis.	Suction
TYWN02MY	YM34E3G-100	220V/60HZ	2	24	1X450	3775	50	220V/60HZ	1120*570*633	3/8"	3/4"
TYWN025MY	YM43E3G-100	220V/60HZ	2.5	24	1X450	3775	52	220V/60HZ	1120*570*633	3/8"	3/4"
TYWN03MY	YM48E3G-100	220V/60HZ	3	32	1X450	3775	52	220V/60HZ	1120*570*633	3/8"	3/4"
TYWN04MY	YM70E3G-100	220V/60HZ	4	50	1X500	5705	53	220V/60HZ	1270*620*832	1/2"	3/4"
TYWN05MY	YM88E7G-100	220V/60HZ/3PH	5	60	1X500	5705	55	220V/60HZ	1270*620*832	1/2"	7/8"
TYWN06MY	YM102E7G-100	220V/60HZ/3PH	6	65	2X500	11410	55	220V/60HZ	1370*620*1233	1/2"	7/8"
TYWN07MY	YM115E7G-100	220V/60HZ/3PH	7	78	2X500	11410	55	220V/60HZ	1370*620*1233	5/8"	7/8"
TYWN08MY	YM132E7G-100	220V/60HZ/3PH	8	88	2X500	11410	55	220V/60HZ	1370*620*1233	5/8"	1-1/8"
TYWN09MY	YM158E7G-100	220V/60HZ/3PH	9	96	2X500	11410	55	220V/60HZ	1370*620*1233	5/8"	1-3/8"
TYWN10MY	YM182E7G-100	220V/60HZ/3PH	10	114	2X500	11410	58	220V/60HZ	1370*620*1233	5/8"	1-3/8"

Model	Compressor	Refrigeration Capacity (watts)							
		Evaporating Temperature (℃)							
		+5℃	0℃	-5℃	-10℃	-15℃	-20℃	-25℃	-30℃
TYWM02MY	YM34E2G-100	5214	4373	3688	3031	2478	2045	1577	1110
TYWM025MY	YM43E2G-100	6614	5548	4640	3858	3142	2594	2000	1408
TYWM03MY	YM49E2G-100	7544	6328	5293	4400	3585	2958	2282	1605
TYWM04MY	YM70E1G-100	11027	9250	7738	6432	5240	4324	3335	2348
TYWM05MY	YM86E1G-100	13516	11339	9484	7885	6422	5300	4088	2879
TYWM06MY	YM102E1G-100	16006	13448	11248	9350	7618	6286	4848	3412
TYWM07MY	YM115E1G-100	18736	15718	13147	10928	8902	7348	5668	3989
TYWM08MY	YM132E1G-100	19948	16734	13996	11635	9478	7822	6034	4240
TYWM09MY	YM158E1G-100	23584	19784	16548	13755	11205	9248	7134	5018
TYWM10MY	YM182E1G-100	27126	22755	19033	15822	12888	10636	8206	5772

CONDENSING TEMPERATURE: 45℃, AMBIENT TEMPERATURE: 30℃

Model	Compressor	Refrigeration Capacity (watts)							
		Evaporating Temperature (℃)							
		+5℃	0℃	-5℃	-10℃	-15℃	-20℃	-25℃	-30℃
TYWN02MY	YM34E3G-100	6303	5282	4426	3679	2967	2473	1908	1342
TYWN025MY	YM43E3G-100	8002	6712	5814	4667	3802	3138	2420	1703
TYWN03MY	YM49E3G-100	9128	7658	6465	5324	4337	3579	2760	1942
TYWN04MY	YM70E7G-100	13047	11192	9961	7782	6308	5232	4035	2839
TYWN05MY	YM86E7G-100	16384	13719	11474	9539	7776	6413	4947	3479
TYWN06MY	YM102E7G-100	19596	16270	13609	11313	9216	7606	5866	4128
TYWN07MY	YM115E7G-100	22568	19116	15038	13332	10461	8960	6913	4864
TYWN08MY	YM132E7G-100	25529	21421	18857	13183	10188	8399	6955	5539
TYWN09MY	YM158E7G-100	28771	24135	20188	16781	13671	11281	8702	6123
TYWN10MY	YM182E7G-100	33083	27760	23323	19392	15724	12978	10009	7042

CONDENSING TEMPERATURE: 45℃, AMBIENT TEMPERATURE: 30℃

PACKAGE INVOTECH SCROLL CONDENSING UNIT

R404A

LMP

Model	Compressor		Condenser	AxialFan				Dimension	Connect	
	Model	H.P.	Surface (m²)	N°×φ	AirFlow m³/h	Noise dist=10m	Voltage	LXWXH(mm)	Dis	Suction
TYWM02LY	YF13E1GV100	2	19.5	1X400	3295	48	220V/50HZ	1228*620*832	3/8"	3/4"
TYWM025LY	YF17E1GV100	2.5	19.5	1X400	3295	48	220V/50HZ	1228*620*832	3/8"	3/4"
TYWM03LY	YF20E1GV100	3	24.2	1X450	3775	48	220V/50HZ	1285*620*732	3/8"	3/4"
TYWM04LY	YF29E1GV100	4	31	1X450	3775	48	220V/50HZ	1285*620*832	1/2"	7/8"
TYWM05LY	YF35A1GV100	5	41	1X500	5705	48	220V/50HZ	1285*620*832	1/2"	7/8"
TYWM06LY	YF41A1GV100	6	48	1X500	5705	48	220V/50HZ	1285*620*832	1/2"	7/8"

Model	Compressor	Evaporating Temperature(℃)								
		-40	-35	-30	-25	-20	-15	-10	-5	0
TYWM02LY	YF13E1GV100	1707	2086	2521	2993	3554	4213	4932	5754	6695
TYWM025LY	YF17E1GV100	2039	2491	3011	3575	4245	5032	5890	6865	7996
TYWM03LY	YF20E1GV100	2243	2741	3311	3933	4669	5535	6480	7573	8796
TYWM04LY	YF29E1GV100	3379	4128	4988	5925	7034	8339	9762	11409	13251
TYWM05LY	YF35A1GV100	4078	4983	6020	7151	8489	10064	11781	13769	15993
TYWM06LY	YF41A1GV100	4883	5966	7212	8566	10169	12055	14112	16494	19158

CONDENSING TEMPERATURE:45℃ ,AMBIENT TEMPERATURE:30℃

220V/60HZ

PACKAGE INVOTECH SCROLL CONDENSING UNIT

R404A

LMP

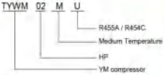
Model	Compressor		Condenser	AxialFan				Dimension	Connect	
	Model	H.P.	Surface (m²)	N°×φ	AirFlow m³/h	Noise dist=10m	Voltage	LXWXH(mm)	Dis	Suction
TYWN02LY	YF13E	2	19.5	1X400	3295	48	220V/60HZ	1228*620*832	3/8"	3/4"
TYWN025LY	YF17E	2.5	19.5	1X400	3295	48	220V/60HZ	1228*620*832	5/8"	3/4"
TYWN03LY	YF20E	3	24.2	1X450	3775	48	220V/60HZ	1285*620*732	5/8"	3/4"
TYWN04LY	YF29E	4	31	1X450	3775	48	220V/60HZ	1285*620*832	1/2"	7/8"
TYWN05LY	YF35E	5	41	1X500	5705	48	220V/60HZ	1285*620*832	1/2"	7/8"
TYWN06LY	YF41E	6	48	1X500	5705	48	220V/60HZ	1285*620*832	1/2"	7/8"

Model	Compressor	Cooling Capacity(watts)								
		Evaporating Temperature(℃)								
		-40	-35	-30	-25	-20	-15	-10	-5	0
TYWN02LY	YF13E	1282	1615	2021	2479	3023	3653	4362	5173	6077
TYWN025LY	YF17E	1531	1929	2414	2961	3611	4364	5210	6176	7258
TYWN03LY	YF20E	1684	2122	2656	3258	3972	4800	5731	6797	7984
TYWN04LY	YF29E	2537	3197	4001	4908	5983	7231	8633	10240	12028
TYWN05LY	YF35E	3062	3858	4829	5923	7221	8727	10420	12358	14517
TYWN06LY	YF41E	3668	4622	5784	7095	8651	10454	12482	14804	17389

CONDENSING TEMPERATURE:45℃ ,AMBIENT TEMPERATURE:30℃

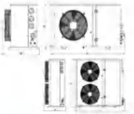
PACKAGE INVOTECH A2L CONDENSING UNIT

Model:



Standard Features

- Low noise quality condensing unit
- Quick install range 2HP – 7 HP
- INVOTECH YM compressor
- Crankcase heater
- Axial fan motor 6 pole with low noise
- Emerson HP/LP pressure switch
- Emerson filter drier
- Liquid receiver
- Pressure gauges
- Acoustic case lining
- Service valves
- Siemens switch
- Schneider AC contactor
- Schneider overload protector
- Oil separator (Option)
- Carlo phase protector
- Alco fan speed controller(Option)
- CE marked



PACKAGE INVOTECH A2L CONDENSING UNIT

Technical Data

R455A

MBP

Model	Compressor		Condenser	Axial Fan				Dimension	Connect	
	Model	H.P.	Surface (m²)	N°×φ	Air Flow m³/h	Noise dist=10m	Voltage	LXWXH(mm)	Dis	Suction
TYWM02MU	YM34U1G-100	2	18.2	1*450	3775	46	220V/50HZ	1290*620*832	3/8"	7/8"
TYWM025MU	YM43U1G-100	2.5	21.4	1*450	3775	46	220V/50HZ	1290*620*832	3/8"	7/8"
TYWM03MU	YM49U1G-100	3	26.5	1*500	5705	47	220V/50HZ	1290*620*832	3/8"	7/8"
TYWM035MU	YM60U1G-100	3.5	31.6	1*500	5705	47	220V/50HZ	1290*620*832	3/8"	7/8"
TYWM04MU	YM70U1G-100	4	35.3	1*500	5705	47	220V/50HZ	1290*620*832	1/2"	7/8"
TYWM05MU	YM86U1G-100	5	42.6	2*500	11410	52	220V/50HZ	1290*620*1232	1/2"	7/8"
TYWM06MU	YM102U1G-100	6	52	2*500	11410	52	220V/50HZ	1290*620*1232	1/2"	7/8"
TYWM07MU	YM115U1G-100	7	59.9	2*500	11410	52	220V/50HZ	1290*620*1232	5/8"	7/8"

Model	Compressor	Cooling Capacity(watts) Evaporating Temp.(℃)								
		-30	-25	-20	-15	-10	-5	0	5	10
TYWM02MU	YM34U1G-100	1404	1783	2188	2684	3291	3960	4809	5754	6840
TYWM025MU	YM43U1G-100	1859	2350	2904	3625	4439	5360	6499	7775	9236
TYWM03MU	YM49U1G-100	1979	2472	3089	3778	4615	5599	6745	8078	9585
TYWM035MU	YM60U1G-100	2458	3085	3830	4715	5760	6967	8417	10072	11972
TYWM04MU	YM70U1G-100	2888	3624	4499	5538	6766	8207	9887	11831	14064
TYWM05MU	YM86U1G-100	3559	4454	5530	6807	8316	10086	12153	14543	17287
TYWM06MU	YM102U1G-100	4188	5253	6521	8028	9807	11897	14332	17150	20386
TYWM07MU	YM115U1G-100	4532	5686	7062	8692	10620	12882	15519	18570	22074

Condensing temperature 50℃, Ambient temperature 35℃

INVOTECH YM CONDENSING UNIT

Model:

YM34- E2G-FN22
- Condenser
- E2G:220V-1PH-50HZ
- E1G:380V-3PH-50HZ
- Compressor model

Standard Features

- YM compressor
- Crankcase heater
- Axial fan
- Air cooled condenser
- Liquid receiver
- Emerson HP/LP controls
- Pressure gauges
- Emerson filter drier
- Emerson sight glass
- Oil separator
- Emerson solenoid valve
- Schneider AC contactor
- Carlo phase protector（3 Phase Only）

Options:

- Fan speed controller
- Suction accumulator

Technical Data

R404A

Model	Displacement	Max Oper. Current	Receiver	Overall Dimension (mm)			Installing Size (mm)		Connection	
	m³/h	A	L	L	W	H	A	B	SL	FL
YM34-E2G-FN22	5.8	16.2	3	680	570	564	840	378	7/8"	3/8"
YM43-E2G-FN25	7.3	17.2	3	680	570	614	840	378	7/8"	3/8"
YM49-E2G-FN33	8.1	19	4	917	700	515	877	358	7/8"	3/8"
YM70-E2G-FN43	11.8	28.1	6	1045	742	714	1010	395	7/8"	1/2"
YM86-E1G-FN48	14.5	12.2	6	1270	750	804	1236	395	7/8"	1/2"
YM102-E1G-FN55	17.1	14.3	6	1270	750	784	1236	395	7/8"	1/2"
YM115-E1G-FN70	18.8	17.1	8	1270	750	871	1236	395	7/8"	1/2"
YM132-E1G-FN80	21.4	18.4	12	1270	750	871	1236	395	7/8"	5/8"
YM158-E1G-V8A	25.3	21	12	1315	780	712	1275	416	1-1/8"	5/8"
YM182-E1G-V8A	28.1	23.5	14	1315	780	712	1275	416	1-1/8"	5/8"
YM200-E1G-W8A	32.9	26.5	14	1620	780	864	1585	450	1-1/8"	5/8"
YM210-E1G-W8A	34.3	27.5	18	1620	780	864	1585	450	1-1/8"	7/8"

Model	Cooling Capacity(watts) EvaporatingTemp（℃）								
	-30	-25	-20	-15	-10	-5	0	5	10
YM34-E2G-FN22	1634	2081	2521	3058	3676	4396	5235	6201	7315
YM43-E2G-FN25	1951	2450	3011	3653	4394	5255	6252	7407	8738
YM49-E2G-FN33	2224	2792	3431	4162	5006	5988	7125	8441	9958
YM70-E2G-FN43	3177	3989	4902	5946	7153	8553	10176	12058	14224
YM86-E1G-FN48	3903	4901	6022	7305	8788	10508	12504	14814	17475
YM102-E1G-FN55	4626	5812	7143	8664	10423	12464	14831	17570	20728
YM115-E1G-FN70	5127	6439	7913	9599	11547	13808	16430	19465	22961
YM132-E1G-FN80	5990	7521	9243	11212	13489	16130	19193	22738	26822
YM158-E1G-V8A	7351	9231	11344	13761	16554	19795	23555	27905	32917
YM182-E1G-V8A	8256	10370	12744	15460	18596	22239	26463	31350	36981
YM200-E1G-W8A	9076	11398	14004	16989	20437	24438	29080	34451	40639
YM210-E1G-W8A	9526	11966	14705	17838	21459	25660	30534	36173	42670

CONDENSING TEMPERATURE:50℃, AMBIENT TEMPERATURE:35℃

INVOTECH YM CONDENSING UNIT

Model:

YM34- E3G-FN22
- Condenser
- E3G：220V-1PH-60HZ，
- E7G:220V-3PH-60HZ
- Compressor model

Technical Data

220V/60HZ

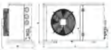
Model	Displacement	Max Oper. Current	Receiver	Overall Dimension (mm)			Installing Size (mm)		Connection	
	m³/h	A	L	L	W	H	A	B	SL	DL
YM34-E3G-FN22	7	16.5	3	580	670	564	540	370	7/8"	3/8"
YM43-E3G-FN25	8.8	20.7	3	680	670	614	840	376	7/8"	3/8"
YM49-E3G-FN33	9.7	21.5	4	917	700	515	877	356	7/8"	3/8"
YM70-E3G-FN43	14.2	34	6	1045	740	714	1010	395	7/8"	1/2"
YM86-E7G-FN48	17.4	40.1	6	1270	750	864	1236	396	7/8"	1/2"
YM102-E7G-FN55	20.5	29.4	6	1270	750	784	1235	395	7/8"	1/2"
YM115-E7G-FN70	22.7	32	8	1270	750	863	1235	395	7/8"	5/8"
YM132-E7G-FN80	25.7	38.5	12	1270	750	871	1235	396	1-1/8"	5/8"
YM158-E7G-V8A	30.4	43.5	12	1315	780	712	1275	410	1-1/8"	5/8"
YM182-E7G-V8A	34.5	49.3	14	1315	780	712	1275	410	1-1/8"	5/8"

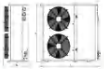
Model	Refrigeration Capacity (watts) Evaporating Temperature (℃)							
	+5℃	0℃	-5℃	-10℃	-15℃	-20℃	-25℃	-30℃
YM34-E3G-FN22	6308	5292	4426	3679	2997	2473	1908	1342
YM43-E3G-FN25	8002	6712	5614	4667	3802	3138	2420	1703
YM49-E3G-FN33	9128	7658	6405	5324	4337	3579	2760	1942
YM70-E3G-FN43	13342	11192	9361	7782	6339	5232	4035	2839
YM86-E7G-FN48	16364	13719	11474	9539	7770	6413	4947	3479
YM102-E7G-FN55	19396	16270	13609	11313	9215	7605	5866	4128
YM115-E7G-FN70	22858	19174	16038	13332	10861	8963	6913	4864
YM132-E7G-FN80	26529	21421	18937	13163	10189	8099	6665	6539
YM158-E7G-V8A	28771	24135	20188	16781	13671	11281	8702	6123
YM182-E7G-V8A	33093	27760	23220	19302	15724	12976	10009	7041
CONDENSING TEMPERATURE: 50℃,AMBIENT TEMPERATURE: 35℃								

PACKAGE TECUMSEH CONDENSING UNIT

TYWT 02 M Y
- Y: R404A, R449A,R448A
- M: Medium Temperature
- L: Low Temperature
- HP
- Tecumseh Compressor

- Low noise quality condensing unit
- Quick Install range 3/4HP ~ 7 HP
- Tecumseh compressor
- Crankcase heater
- Axial fan motor 6 pole with low noise
- Emerson HP/LP pressure switch
- Emerson sight glass
- Emerson filter drier
- Liquid receiver
- Pressure gauges
- Acoustic case lining
- Service valves
- Siemens switch
- Schneider AC contactor
- Schneider overload protector
- Oil separator(for low temperature)
- Suction accumulator(for low temperature)
- Alco fan speed controller(Option)
- CE marked





PACKAGE TECUMSEH CONDENSING UNIT

R404A

MBP

Model	Compressor		Condenser	Axial Fan Motor			Dimension	Noise	Connect	
	Model	HP	Surface(m²)	N°xΦ	Air Flow m³/h	Voltage	LXWXH (mm)	dist=10m dBA	D Inch	S Inch
TYWT0.8MY	CAJ4492Z	3/4	7.4	1x350	1815	220V/50HZ	1060*570*533	36	3/8"	1/2"
TYWT01MY	CAJ9513Z	1	11.5	1x400	3295	220V/50HZ	1060*570*533	38	3/8"	5/8"
TYWT1.7MY	CAJ4519Z	1.7	17	1x400	3295	220V/50HZ	1060*570*533	38	3/8"	5/8"
TYWT02MY	TFH4524Z	2	15	1x400	3295	220V/50HZ	1120*570*533	38	3/8"	5/8"
TYWT03MY	TFH4531Z	3	24	1x450	3775	220V/50HZ	1120*570*633	40	3/8"	7/8"
TYWT04MY	TAG4546Z	4	41.4	1x500	5705	220V/50HZ	1270*620*832	40	1/2"	7/8"
TYWT05MY	TAG4561Z	5	51.2	1x500	5705	220V/50HZ	1270*620*832	40	1/2"	1-1/8"
TYWT06MY	TAG4568Z	6	61.1	1x500	5705	220V/50HZ	1270*620*832	45	1/2"	1-1/8"
TYWT07MY	TAG4573Z	7	64.4	2x500	11410	220V/50HZ	1370*620*1233	50	5/8"	1-1/8"

PACKAGE TECUMSEH CONDENSING UNIT

R449A

LBP

Model	Compressor		Condenser	Axial Fan Motor			Dimension	Noise	Connect	
	Model	HP	Surface(m²)	N°xΦ	Air Flow m³/h	Voltage	LXWXH (mm)	dist=10m dBA	D Inch	S Inch
TYWT01LY	CAJ2446Z	1	7.4	1x350	1815	220V/50HZ	1060*570*533	38	3/8"	1/2"
TYWT1.5LY	CAJ2464Z	1.5	11.5	1x400	3295	220V/50HZ	1060*570*533	38	3/8"	5/8"
TYWT02LY	TFH2480Z	2	17	1x400	3295	220V/50HZ	1060*570*533	38	3/8"	5/8"
TYWT03LY	TFH2511Z	3	15	1x400	3295	220V/50HZ	1120*570*633	38	3/8"	5/8"
TYWT04LY	TAG2516Z	4	24	1x450	3775	220V/50HZ	1120*570*633	40	3/8"	7/8"
TYWT06LY	TAG2522Z	6	51.2	1x500	5705	220V/50HZ	1270*620*832	48	1/2"	1-1/8"

Model	Compressor	Cooling Capacity(watts)					
		Evaporating Temperature (℃)					
		+5℃	0℃	-5℃	-10℃	-15℃	-20℃
TYWT0.6MY	CAJ9480Z	2217	1764	1420	1115	859	642
TYWT01MY	CAJ9510Z	2766	2230	1779	1400	1083	815
TYWT1.7MY	CAJ4519Z	5139	4151	3313	2589	1989	1460
TYWT02MY	TFH4524Z	6175	4921	3841	2915	2122	1446
TYWT03MY	TFH4531Z	8446	6812	5417	4223	3184	2300
TYWT04MY	TAG4546Z	11779	9156	6979	5179	3699	2484
TYWT05MY	TAG4561Z	14611	11525	8949	6782	4970	3429
TYWT06MY	TAG4568Z	16699	13500	10565	8109	6065	4373
TYWT07MY	TAG4573Z	18210	14604	11398	8803	6638	4831

Condensing temperature 50℃, Ambient temperature 35℃

Model	Compressor	Cooling Capacity(watts)					
		Evaporating Temperature(℃)					
		-10℃	-15℃	-20℃	-25℃	-30℃	-35℃
TYWT01LY	CAJ2446Z	2451	1974	1590	1203	886	636
TYWT1.5LY	CAJ2464Z	3131	2523	1998	1551	1170	847
TYWT02LY	TFH2480Z	4532	3674	2910	2229	1625	1089
TYWT03LY	TFH2511Z	6587	5204	4019	3014	2174	1477
TYWT04LY	TAG2516Z	9602	7593	5856	3708	3191	2264
TYWT05LY	TAG2522Z	11819	9293	7162	5376	3896	2667

Condensing temperature 50℃, Ambient temperature 35℃

TECUMSEH CONDENSING UNIT

R404A

LBP

Model	Nominal power(H.P.)	Displacement(cm³)	Expansion device	Air Flow(m³/h)	REFRIGERATION CAPACITY(W) Evaporating Temperature							Voltage
					-45℃	-40℃	-35℃	-30℃	-23.3℃	-20℃	-10℃	
CAE2424ZBR	1/3	15	C,V	800	114	256	404	576	684	772	1051	208-220V/1/50HZ
CAJ2432ZBZBR	3/4	19.3	C,V	800	105	308	449	594	706	808	1222	208-220V/1/50HZ
CAJ2446ZBZBR TAJ2446ZBZBR	1	26.15	C,V	1110	158	366	547	758	1047	1200	1724	208-220V/1/50HZ 400V/3/50HZ
CAJ2464ZBZBR TAJ2464ZBZBR	1-1/2	34.45	C,V	980	126	458	771	1080	1491	1682	2296	208-220V/1/50HZ 400V/3/50HZ
TFH2480ZBZBR	2	53.0	C,V	2260	430	852	1233	1628	2023	2519	3417	440V/3/50HZ
TFH2511ZBZBR	3	76.20	C,V	2260	300	993	1520	2165	2892	3381	4485	440V/3/50HZ
TAG2516ZBZBR	4	102.5	C,V	5000	541	1631	2354	3146	4317	4840	7011	440V/3/50HZ
TAG2522ZBZBR	5	134.6	C,V	4800	1381	2146	3030	3871	5366	6107	8033	440V/3/50HZ

C:Capillary Tube V:Expansion Valve
Ambient temperature 32℃

TECUMSEH CONDENSING UNIT

R404A

MBP

Model	Nominal power(H.P.)	Displacement(cm³)	Expansion device	Air Flow(m³/h)	REFRIGERATION CAPACITY(W) Evaporating Temperature						Voltage
					-25℃	-15℃	-10℃	-5℃	+7.2℃	+15℃	
CAE9460ZMHR	1/2	11.4	C,V	980	399	659	853	1117	1388	1472	208-230V/1/50HZ
AE4470ZMHR	9/10	13.3	C,V	1130	520	647	1030	1441	1775	1915	208-220V/1/50HZ
CAJ9480ZMHHR TAJ9480ZMHHR	5/8	15.2	C,V	1150	610	975	1170	1628	1952	2146	208-220V/1/50HZ 400V/3/50HZ
CAJ9510ZMHR TAJ9510ZMHR	1	19.3	C,V	980	773	1183	1427	1973	2398	2584	208-220V/1/50HZ 400V/3/50HZ
CAJ9513ZMHR	1-1/8	24.2	C,V	980	861	1417	1718	2065	2859	3079	208-220V/1/50HZ
CAJ4517ZHR	1-1/4	25.95	C,V	2280		1757	2134	3269	3677	3980	208-220V/1/50HZ
CAJ4519ZHR	1-3/4	34.45	C,V	2280		2252	2731	3673	4643	5008	208-220V/1/50HZ
FH4524ZHR TFH4524ZHR	2	43.9	C,V	2480		2387	2951	4180	5127	5526	208-220V/1/50HZ 400V/3/50HZ
FH4531ZHR TFH4531ZHR	2-3/4	58.1	C,V	4800		3418	4233	5960	7372	7934	208-220V/1/50HZ 400V/3/50HZ
FH4540ZHR TFH4540ZHR	3-1/2	74.25	C,V	4800		4108	5016	7610	8609	9274	208-220V/1/50HZ 400V/3/50HZ
TAG4546ZHR	4	93.2	C,V	7080		4757	6613	8878	11258	12282	440V/3/50HZ
TAG4561ZHR	5	112.5	C,V	9600		5818	7851	10551	13768	14802	380V/3/50HZ
TAG4568ZHR	6	121.4	C,V	9000		6601	8506	12540	15550	16700	380V/3/50HZ
TAG4573ZHR	6-1/2	134.8	C,V	9000		7182	8881	12688	15030	17176	440V/3/50HZ

C:Capillary Tube V:Expansion Valve
Ambient temperature 35℃

MANEUROP CONDENSING UNIT

Model:

HGZ18-FN15
→Condenser model
→Compressor MTZ18

Technical Data

Model R404A	Displacement	Max Oper Current	Receiver	Overall Dimension (mm)			Installing Size (mm)		Connection	
	m³/h	A	L	L	W	H	A	B	SL	FL
HGZ18-FN15	5.26	5	3	710	670	515	670	368	1/2"	3/8"
HGZ22-FN18	6.63	6	3	710	670	564	670	368	1/2"	3/8"
HGZ28-FN22	8.36	7.5	3	760	670	584	710	378	1/2"	3/8"
HGZ32-FN25	9.37	8	3	750	670	614	710	378	5/8"	3/8"
HGZ36-FN33	10.52	9	8	920	675	615	885	320	5/8"	3/8"
HGZ40-FN36	11.81	10	8	1045	740	614	1010	395	5/8"	1/2"
HGZ50-FN43	14.90	12	8	1045	740	715	1010	395	7/8"	1/2"
HGZ64-FN55	18.74	15	8	1260	740	765	1225	395	7/8"	1/2"
HGZ80-FN70	23.63	18	10	1260	740	871	1225	395	1-1/8"	1/2"
HGZ100-FN80	29.80	22	12	1260	800	871	1225	395	1-1/8"	5/8"
HGZ125-V6A	37.49	27	14	1308	880	712	1285	440	1-1/8"	5/8"
HGZ144-W9A	42.09	30	14	1615	850	884	1575	440	1-1/8"	5/8"
HGZ180-W9A	47.25	38	14	1615	850	884	1575	440	1-1/8"	5/8"

Standard Features

- Maneurop compressor
- Crankcase heater
- Air cooled condenser
- Axial fan
- Liquid receiver
- Emerson HP/LP controller
- Emerson filter drier
- Emerson sight glass
- Emerson solenoid valve
- Pressure gauges

MANEUROP CONDENSING UNIT

R404A

Model	Ambient Temperature ℃	Capacity(watts) Evaporating Temperature ℃							
		5	0	-5	-10	-15	-20	-25	-30
HGZ18	27	6034	4820	3779	2898	2182	1558	1074	693
	32	5005	3970	3096	2356	1742	1240	830	517
	38	4029	3176	2484	1881	1384	948	617	349
HGZ22	27	7972	6440	5124	4002	3060	2272	1652	1146
	32	6707	5372	4231	3285	2462	1804	1273	850
	38	5640	4304	3344	2542	1862	1349	924	566
HGZ-28	27	7160	6170	5150	4440	3420	2700	2150	1510
	32	6380	5380	4470	3620	2890	2280	1750	1140
	38	5330	4660	3840	3080	2430	1800	1340	677
HGZ-32	27	11180	9140	7392	5882	4597	3513	2610	1877
	32	9492	7718	6183	4867	3750	2812	2030	1585
	38	7780	6272	4984	3850	2912	2193	1478	920
HGZ-36	27	13653	10434	9458	6756	5297	4111	3045	2209
	32	10810	8845	7136	5662	4403	3336	2445	1701
	38	8903	7238	4796	4955	3498	2558	1837	1199
HGZ-40	27	13813	11416	9324	7508	5944	4624	3512	2589
	32	11840	9772	7946	6366	5007	3849	2869	2041
	38	9830	8058	6506	5173	4024	3042	2207	1479
HGZ-50	27	18146	14697	11760	9316	7292	5653	4352	3347
	32	15360	12246	9673	7524	5753	4313	3162	2252
	38	12302	9742	7599	5823	4377	3211	2279	1539
HGZ-64	27	22271	19277	14610	11634	9307	7189	5443	4027
	32	19654	10514	12445	9807	7583	5868	4087	2779
	38	15618	12614	10022	7950	5821	4332	2987	1875
HGZ-80	27	27960	25171	18954	15268	12159	9496	7272	5438
	32	23965	19703	15965	12596	9881	7491	5460	3753
	38	19704	16291	12873	10101	7719	5679	3937	2451
HGZ-100	27	33862	27606	22168	17545	13617	10337	7643	5472
	32	28708	23327	18688	14726	11360	8532	6181	4241
	38	23567	19057	15172	11850	9022	6626	4589	2849
HGZ-125	27	43853	39515	29033	23127	18085	13832	10489	7702
	32	36510	29996	24041	18870	14702	11155	8261	5905
	38	30298	24396	19363	15121	11588	8661	6218	4419
HGZ-144	27	49253	40900	33058	26574	21233	16361	12473	9279
	32	42003	34412	27641	22202	17407	13375	10013	7236
	38	34712	28209	22622	17864	13848	10485	7653	5360
HGZ-180	27	53830	44238	36057	29001	22976	17893	13652	10162
	32	45884	37620	30462	24315	19084	14678	10997	7948
	38	38107	30998	24896	19679	15259	11572	8486	5811

Bsonyo SCROLL CONDENSING UNIT

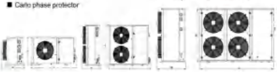
TYWP 03 M Y
→Y: R404A,R449A
→M: Medium Temperature
L: Low Temperature
→HP
→TYWP:Series

Bsonyo SCROLL CONDENSING UNIT

MBP

Model	Compressor		Condenser	Axial Fan Motor			Dimension	Noise	Connect	
Code	Model	H.P.	Surface(m²)	N·X·Φ	m³/h	voltage	L*W*H(mm)	dB(A)/10m	D	S
TYWP03MY	SCB050SAGM	3	34.2	13480	5775	220V/50HZ	1123*970*833	46	5/8"	7/8"
TYWP04MY	SCB061SAGM	4	41.4	14560	5705	220V/50HZ	1270*620*832	47	1/2"	7/8"
TYWP05MY	SCB084SAGM	5	51.2	14560	5705	220V/50HZ	1270*620*832	48	1/2"	7/8"
TYWP06MY	SCB105SAGM	6	61.1	14560	5705	220V/50HZ	1270*620*832	46	1/2"	7/8"
TYWP07MY	SCB110SAGM	7	64.4	13600	11410	220V/50HZ	1335*620*1233	50	5/8"	7/8"
TYWP08MY	SCC137LAGM	8	76.9	28500	11410	220V/50HZ	1335*620*1233	52	5/8"	1-1/8"
TYWP09MY	SCC148LAGM	9	86.3	28500	11410	220V/50HZ	1335*620*1233	52	5/8"	1-1/8"
TYWP10MY	SCC171LAGM	10	95.1	28500	11410	220V/50HZ	1335*620*1233	52	5/8"	1-1/8"
TYWP12MY	SCC205LAGM	12	129.8	43300	22820	220V/50HZ	2065*770*1133	54	5/8"	1-1/8"
TYWP15MY	SCC268LAGM	15	180.8	48300	22820	220V/50HZ	2065*770*1333	54	7/8"	1-3/8"

- Low noise quality Condensing unit: 3-15HP
- BSONYO scroll compressor
- Crankcase heater
- Low noise fan motor
- Emerson HP/LP pressure switch
- Emerson Sight glass
- Emerson Filter drier
- Emerson Solenoid valve
- Liquid receiver
- Oil separator(Low temperature)
- Suction accumulator(Low temperature)
- Pressure gauges
- Service valves
- Siemens Switch
- Schneider AC contactor
- Schneider overload protector
- Carlo phase protector



Model	Compressor	Cooling Capacity(KW)						
		Evaporating Temperature(℃)						
		-20	-15	-10	-6.5	0	5	10
TYWP03MY	3CB042SAGM	3.40	4.07	4.87	5.53	6.89	8.37	10.02
TYWP04MY	3CB067SAGM	4.34	5.21	6.25	7.10	9.01	10.81	12.91
TYWP05MY	3CB084SAGM	5.34	6.44	7.19	8.88	11.25	13.31	15.63
TYWP06MY	3CB105SAGM	6.50	7.81	9.23	10.58	13.46	15.96	18.80
TYWP07MY	3CB110SAGM	7.16	8.58	10.31	11.59	14.68	17.42	20.82
TYWP08MY	3CC137LAGM	9.83	11.33	12.67	14.22	17.91	21.37	25.10
TYWP09MY	3CC148LAGM	9.80	11.45	13.67	15.47	19.47	23.34	27.74
TYWP10MY	3CC171LAGM	11.05	13.16	15.67	17.72	22.29	26.53	31.81
TYWP12MY	3CC205LAGM	13.62	15.26	17.98	20.34	25.60	30.56	36.45
TYWP15MY	3CC260LAGM		20.09	23.65	26.47	33.21	39.63	46.85

Condensing temperature 50℃，Ambient temperature 35℃

LBP

Model	Compressor		Condenser	Axial Fan Motor			Dimension	Noise	Connect	
Code	Model	H.P.	Surface(m²)	N°X⌀	m³/h	voltage	L*W*H(mm)	dist=10m	D	S
TYWP04LY	C-SBN303L8A	4	32.2	1X450	3715	220V/50HZ	1020*420*840	47	1/2"	7/8"
TYWP05LY	C-SBN373L8A	5	41.1	1X500	5705	220V/50HZ	1020*420*1240	47	1/2"	7/8"
TYWP06LY	C-SBN453L8A	6	41.2	1X500	5705	220V/50HZ	1020*420*1240	48	1/2"	7/8"
TYWP07LY	3CC120SA01	7	61.1	1X500	5705	220V/50HZ	1020*420*1240	48	1/2"	7/8"
TYWP08LY	3CC137SA01	8	84.4	2X500	11410	220V/50HZ	1370*620*1235	52	5/8"	7/8"
TYWP10LY	3CC171SA01	10	88.4	2X500	11410	220V/50HZ	1370*620*1235	52	5/8"	1-1/8"
TYWP12.5LY	3CC216SA01	12.5	126.6	4X500	22820	220V/50HZ	2000*770*1335	54	5/8"	1-1/8"

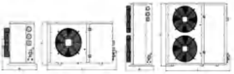
Model	Compressor	Cooling Capacity(KW)								
		Evaporating Temperature(℃)								
		-45	-40	-35	-30	-25	-20	-15	-10	-5
TYWP04LY	C-SBN303L8A	1.33	1.58	2.15	2.73	3.46	4.31	5.30	6.42	7.66
TYWP05LY	C-SBN373L8A	1.67	2.01	2.60	3.25	4.25	5.30	6.50	7.86	9.36
TYWP06LY	C-SBN453L8A	1.99	2.48	3.10	3.87	4.96	6.04	7.50	9.43	11.79
TYWP07LY	3CC120SA01	2.80	3.45	4.15	5.12	6.28	7.85	9.35	11.43	13.97
TYWP08LY	3CC137SA01	3.02	3.70	4.53	5.55	6.80	8.33	10.30	12.45	15.30
TYWP10LY	3CC171SA01	3.19	4.28	5.58	7.15	8.95	11.01	13.30	15.84	18.62
TYWP12.5LY	3CC216SA01	4.51	5.60	6.99	8.65	10.73	13.36	16.40	20.03	23.84

Condensing temperature 50℃，Ambient temperature 35℃

Bsonyo SCROLL A2L CONDENSING UNIT

TYWP 03.5 M U
- U: R454C,R455A
- M: Medium Temperature
- HP
- TYWP: Series

- Low noise quality condensing unit : 3-7HP
- BSONYO scroll compressor
- Crankcase heater
- Low noise fan motor
- Emerson HP/LP pressure switch
- Emerson Sight glass
- Emerson Filter drier
- Emerson Solenoid valve
- Liquid receiver
- Pressure gauges
- Service valves
- Siemens switch
- Schneider AC contactor
- Schneider overload protector
- Carlo phase protector



Bsonyo SCROLL A2L CONDENSING UNIT

MBP

Model	Compressor		Condenser	Axial Fan Motor			Dimension	Noise	Connect	
	Model	H.P.	Surface(m²)	N°φ	m³/h	voltage	L*W*H(mm)	dist=10m	D	S
TYWP035MU	GCB058LA04	3.5	31.8	1*500	3705	220V/50HZ	1290*620*832	47	3/8"	7/8"
TYWP04MU	GCB067LA04	4	35.3	2*500	3705	220V/50HZ	1290*620*832	47	1/2"	7/8"
TYWP05MU	GCB084LA04	5	42.8	2*500	11410	220V/50HZ	1290*620*1232	52	1/2"	7/8"
TYWP06MU	GCB100LA04	6	52	2*500	11410	220V/50HZ	1290*620*1232	52	1/2"	7/8"
TYWP07MU	GCB110LA04	7	56.6	2*500	11410	220V/50HZ	1290*620*1232	52	5/8"	7/8"

Model	Compressor	Cooling Capacity(KW)						
		Evaporating Temperature(℃)						
	Model	-20	-15	-5	0	7	15	25
TYWP035MU	GCB058LA04	2.75	4.15	6.58	8.18	10.85	14.51	20.01
TYWP04MU	GCB067LA04	3.30	5.04	7.85	8.74	12.84	17.1	23.48
TYWP05MU	GCB084LA04	4.2	5.34	8.76	11.98	15.58	20.48	27.78
TYWP06MU	GCB100LA04	4.63	7.58	11.63	14.18	18.32	23.88	32.05
TYWP07MU	GCB110LA04	5.3	8.27	12.74	15.53	20.07	28.16	35.11

Condensing temperature 50℃，Ambient temperature 35℃

MONOBLOCK UNIT

LTJ XX M Y
- Refrigerant: Y:R404A,R448A,R449A
- Temperature: M: -5~5℃; L: -15~-20℃
- Compressor power (HP)X100
- Series name: LTJ

HOT GAS DEFROSTING

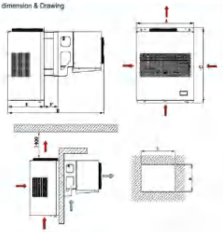
Model	Voltage	Compressor			Condenser fans			Evaporator fans				Cooling Capacity(W) Ta=38℃			Cold room volume	Weight
		HP	KW	Model	Input power (w)	N°x Ø	m³/h	Input power (w)	N°x Ø	m³/h	Distance (m)	Te=-10℃	Te=-5℃	Te=0℃	m³	Kgs
LTJ030MY	230/1/50	1/3	0.53	[illegible]	1x75	1x250	1000	1x75	1x250	1000	3	495	588	770	3-6	57
LTJ050MY	230/1/50	1/2	0.81	[illegible]	1x75	1x250	1000	1x75	1x250	1000	3	695	875	1080	6-9	60
LTJ080MY	230/1/50	5/6	1.05	[illegible]	1x75	1x250	1000	1x75	1x250	1000	3	840	1056	1307	10-14	62
LTJ100MY	230/1/50	1	1.38	[illegible]	1x90	1x300	1650	1x90	1x300	1650	3	1222	1534	1888	15-20	67
LTJ125MY	230/1/50	1.25	2.23	[illegible]	1x90	1x300	1650	1x90	1x300	1650	5	1972	2096	2574	21-25	80
LTJ175MY	230/1/50	1.75	2.35	[illegible]	1x90	1x300	1650	1x90	1x300	1650	5	2235	2807	3431	25-35	117
LTJ200MY	230/1/50	2	3.35	[illegible]	1x90	1x300	1650	1x90	1x300	1650	5	2540	3210	3934	36-45	120
LTJ275MY	400/3/50	2.75	4.6	[illegible]	2x90	2x300	3300	2x90	2x300	3300	7	3385	4198	5081	41-52	150
LTJ350MY	400/3/50	3.5	5.2	[illegible]	2x90	2x300	3300	2x90	2x300	3300	7	4174	5145	6176	51-60	155
LTJ400MY	400/3/50	4	5.8	[illegible]	2x150	2x350	4700	2x150	2x350	4700	10	4414	5825	7473	61-80	185
LTJ500MY	400/3/50	5	7.5	[illegible]	2x150	2x350	4700	2x150	2x350	4700	10	5829	7518	9455	81-100	215

Suction gas temp.:20℃

Model	Voltage	Compressor			Condenser fans			Evaporator fans				Cooling Capacity(W) Ta=38℃			Cold room volume	Weight
		HP	KW	Model	Input power (w)	N°x Ø	m³/h	Input power (w)	N°x Ø	m³/h	Distance (m)	Te=-25℃	Te=-20℃	Te=-15℃	m³	Kgs
LTJ050LY	230/1/50	1/2	1.05	[illegible]	1x75	1x250	1000	1x75	1x250	1000	3	502	634	792	2-3	60
LTJ063LY	230/1/50	5/8	1.08	[illegible]	1x75	1x250	1000	1x75	1x250	1000	3	608	790	904	3-4	62
LTJ100LY	230/1/50	1	1.75	[illegible]	1x90	1x300	1650	1x90	1x300	1650	6	1102	1280	1725	4-5	68
LTJ150LY	230/1/50	1.5	1.75	[illegible]	1x90	1x300	1650	1x90	1x300	1650	6	1441	1795	2216	5-8	82
LTJ200LY	230/1/50	2	1.98	[illegible]	1x90	1x300	1650	1x90	1x300	1650	6	1930	2511	3161	8-10	123
LTJ300LY	400/3/50	3	2.36	[illegible]	1x90	1x300	1650	1x90	1x300	1650	6	2737	3484	4389	11-20	128
LTJ400LY	400/3/50	4	3.7	[illegible]	2x90	2x300	3300	2x90	2x300	3300	8	3790	4806	6237	21-35	160
LTJ600LY	400/3/50	6	5.7	[illegible]	2x150	2x350	4700	2x150	2x350	4700	11	5245	6350	8275	36-50	220

Suction gas temp. 0℃

Overall dimension & Drawing



Model	LTJ030MY	LTJ050MY	LTJ080MY	LTJ100MY	LTJ125MY	LTJ175MY	LTJ200MY	LTJ275MY	LTJ350MY	LTJ400MY	LTJ500MY
A	480	480	480	620	620	860	860	1066	1066	1236	1236
B	970	970	970	985	985	985	985	985	985	1307	1307
C	480	480	480	780	780	780	780	780	780	910	910
E	340	340	340	386	386	386	386	386	386	480	480
F	100	100	100	100	100	100	100	100	100	100	100
L	475	475	475	667	667	766	766	977	977	756	756
H	504	504	504	475	475	475	475	475	475	595	595

Model	LTJ050LY	LTJ063LY	LTJ100LY	LTJ150LY	LTJ200LY	LTJ300LY	LTJ400LY	LTJ600LY
A	480	480	620	620	860	860	1066	1236
B	1020	1020	1045	1045	1045	1045	1070	1307
C	480	480	780	780	780	780	780	910
E	340	340	380	380	380	380	380	480
F	100	100	100	100	100	100	100	100
L	475	475	667	667	766	766	977	1166
H	504	504	475	475	475	475	475	595

R290 MONOBLOCK UNIT

Overall dimension&Drawing

LTJ XX M P

- P → Refrigerant : P: R290 ;
- M → Temperature: M : -5~5°C, L : -15~ -20°C
- XX → Compressor power: (HP)X100
- LTJ → Series name: LTJ

HOT GAS DEFROSTING

MBP

Model	Voltage	Compressor		Condenser fans			Evaporator fans			Cooling capacity (W)		
		HP	Model	Input power (W)	№×Φ	m³/h	Input power (W)	№×Φ	m³/h	Te=-10°C	Te=-5°C	Te=0°C
LTJ50MP	220/1/50	0.5	NEK6217UA	1x75	1x250	1000	1x75	1x250	1000	1030	1251	1507
LTJ75MP	220/1/50	0.75	NEU6220U	1x75	1x250	1000	1x75	1x250	1000	1243	1500	1790
LTJ100MP	220/1/50	1	NEK6225UA	1x75	1x250	1000	1x75	1x250	1000	1574	1908	2260
LTJ200MP	220/1/50	2	NEK6225UA	2x75	2x250	2000	2x75	2x250	2000	3148	3812	4566

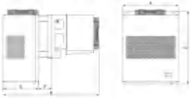
Ambient temperature 38°C

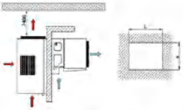
LBP

Model	Voltage	Compressor		Condenser fans			Evaporator fans			Cooling capacity (W)		
		HP	Model	Input power (W)	№×Φ	m³/h	Input power (W)	№×Φ	m³/h	Te=-25°C	Te=-20°C	Te=-15°C
LTJ100LP	220/1/50	1	NT2180U	1x75	1x250	1000	1x75	1x250	1000	667	754	844
LTJ125LP	220/1/50	1.25	NTX2211U	1x75	1x250	1000	1x75	1x250	1000	1211	1511	1851
LTJ200LP	220/1/50	2	NT2180U	2x75	2x250	2000	2x75	2X250	2000	2422	3022	3702

Ambient temperature 38°C

ECO





Model	LTJ50MP	LTJ75MP	LTJ100MP	LTJ200MP	LTJ100LP	LTJ125 LP	LTJ200 LP
A	510	510	510	850	510	510	850
B	990	990	990	990	1040	1040	1040
C	665	665	665	665	665	665	665
E	340	340	340	340	340	340	340
F	100	100	100	100	150	150	150
L	476	476	476	476	476	476	476
H	404	404	404	744	404	404	744

MONOBLOCK UNIT

LTW XX M Y

- Y → Refrigerant:Y:R404A,R448A,R449A
- M → Temperature: M: -5~5°C, L: -15~-20°C
- XX → Compressor power:(HP)X100
- LTW → Series name: LTW

HOT GAS DEFROSTING

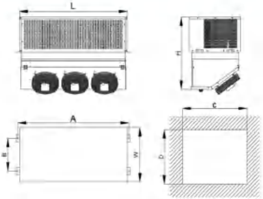
R404A/R448A

MBP

Model	Voltage	Compressor		Condenser fan			Evaporator fan				Cooling Capacity(Watt) Ta=38°C			Cold room volume
		HP	Model	Input power (W)	N°×Φ	(m³/h)	Input power (W)	N°×Φ	(m³/h)	Distance (m)	[illegible]	[illegible]	[illegible]	m³
[illegible]	[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7	[illegible]	[illegible]	[illegible]	[illegible]

LBP

Model	Voltage	Compressor		Condenser fan			Evaporator fan				Cooling Capacity(Watt) Ta=38°C			Cold room volume
		HP	Model	Input power (W)	N°×Φ	(m³/h)	Input power (W)	N°×Φ	(m³/h)	Distance (m)	Te=-25°C	Te=-20°C	Te=-15°C	m³
[illegible]	[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4-6
[illegible]	[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7	[illegible]	[illegible]	[illegible]	[illegible]



Model	LTW100MY	LTW200MY	LTW300MY	LTW100 LY	LTW200 LY	LTW300 LY
L	746	946	1306	746	946	1306
W	621	621	621	621	621	621
H	827	827	827	877	877	877
A	790	990	1350	790	990	1350
B	374	374	374	374	374	374
C	710	910	1270	710	910	1270
D	584	584	584	584	584	584

R290 MONOBLOCK UNIT

LTW XX M P

- P → Refrigerant:P:R290
- M → Temperature: M: -5~5°C, L: -15~-20°C
- XX → Compressor power:(HP)X100
- LTW → Series name: LTW

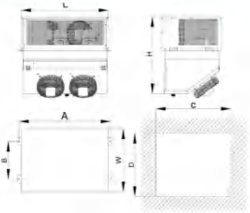
HOT GAS DEFROSTING

MBP

Model	Voltage	Compressor		Condenser fans			Evaporator fans			Cooling Capacity(W)		
		HP	Model	Input power (W)	N°×Φ	(m³/h)	Input power (W)	N°×Φ	(m³/h)	Te=-10°C	Te=-5°C	Te=0°C
LTW50MP	220/1/50	0.5	NEK6217UA	1x75	1x250	1000	1x75	1x250	1000	1030	1251	1507
LTW75MP	220/1/50	0.75	NEU6220U	1x75	1x250	1000	1x75	1x250	1000	1243	1500	1790
LTW100MP	220/1/50	1	NEK6225UA	1x75	1x250	1000	1x75	1x250	1000	1574	1909	2260
LTW200MP	220/1/50	2	NEK6225UA	2x75	2x250	2000	2x75	2x250	2000	3148	3812	4566

LBP

Model	Voltage	Compressor		Condenser fans			Evaporator fans			Cooling Capacity(W)		
		HP	Model	Input power (W)	N°×Φ	(m³/h)	Input power (W)	N°×Φ	(m³/h)	Te=-25°C	Te=-20°C	Te=-15°C
LTW100LP	220/1/50	1	NT2180U	1x75	1x250	1000	1x75	1x250	1000	667	754	844
LTW125LP	220/1/50	1.25	NTX2211U	1x75	1x250	1000	1x75	1x250	1000	1211	1511	1851
LTW200LP	220/1/50	2	NT2180U	2x75	2x250	2000	2x75	2x250	2000	2422	3022	3702



Model	LTW50MP	LTW75MP	LTW100MP	LTW200MP	LTW100LP	LTW125LP	LTW200LP
L	570	570	570	910	570	570	910
W	621	621	621	621	621	621	621
H	760	760	760	760	810	810	810
A	614	614	614	954	614	614	954
B	374	374	374	374	374	374	374
C	538	538	538	678	538	538	678
D	564	564	564	564	564	564	564

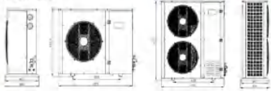
ECO

DC INVERTER CONDENSING UNIT

INVERTER TECHNOLOGY

ECO

Dimension Drawing



DC INVERTER CONDENSING UNIT

TYWH 02 ML Y DC

- DC INVERTER
- Y: R404A/R448A/R449A
- ML：Medium-high temperature, low temperature
- 02：HP
- TYW: CRSS Rotary compressor
  TYWH: HITACHI scroll compressor

Technical Data

Model	Compressor		Fan Motor			Noise	Dimension	Pipe Fitting	
	Model	HP	N° x Power	DIA(mm)	Voltage	Dis=10m	LxWxH(mm)	Discharge	Suction
TYW02MLY-DC	C-7RVN113L8B	2	1X100W	458	220V/50HZ	52	1148X483X932	3/8"	5/8"
TYW03MLY-DC	C-7RVN153L8B	3	1X100W	458	220V/50HZ	53	1148X483X932	3/8"	5/8"
TYW04MLY-DC	C-6RZ428L4BAL	4	2X100W	456	220V/50HZ	56	1248X483X1232	1/2"	5/8"
TYW05MLY-DC	C-6RZ486L4BAL	5	2X100W	458	220V/50HZ	56	1248X483X1232	1/2"	5/8"
TYWH03MLY-DC	CA47LHDG-D1KA	3	1X100W	456	220V/50HZ	53	1148X483X932	3/8"	7/8"
TYWH04MLY-DC	CA64LHDG-D1YA	4	2X100W	456	220V/50HZ	56	1248X483X1232	1/2"	7/8"
TYWH06MLY-DC	CA86LHDG-D1YA	6	2X100W	456	220V/50HZ	56	1428X380X1534	5/8"	7/8"

Cooling Capacity performance

Compressor C-7RVN113L8B

[illegible]

DC INVERTER CONDENSING UNIT(CRSS)

Compressor C-7RVN153L8B

[illegible]

Compressor C-6RZ428L4BAL

[illegible]

Cooling Capacity performance

Compressor C-6RZ486L4BAL

[illegible]

DC INVERTER CONDENSING UNIT(HITACHI)

Cooling Capacity performance

Compressor CA47LHDG-D1KA

[illegible]

Compressor CA64LHDG-D1YA

[illegible]

Compressor CA86LHDG-D1YA

[illegible]