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Excellent efficiency
Perfect details



COLD ROOM SOLUTIONS

Seafood/Meat Freezer Room
Dairy/Ice Cream Blast Freezer
Fruit&Vegetables Cold Room
Pharmaceutical & Chemicals Cold Room
Commercial Cold Room
Ripening Room
Flower Storage

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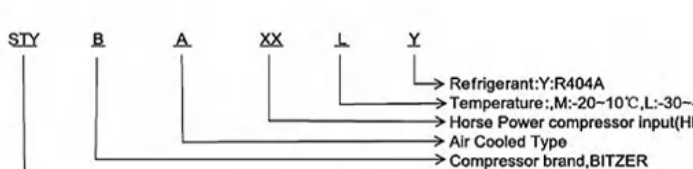
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Shandong Atlas Refrigeration Technology Co.,Ltd.

www.atlascool.com

BITZER SEMI HERMETIC CONDENSING UNIT

Model:



Standard Features

- Bitzer semi-hermetic compressor
- Crankcase heater
- Air cooled condenser
- Axial fan
- Liquid receiver
- Emerson HPLP controls
- Pressure gauges
- Emerson filter drier
- Emerson sight glass
- Oil separator (TYBA07M-TYBA50M, TYBA08L-TYBA25L)
- Vibration absorber (TYBA07M-TYBA50M, TYBA08L-TYBA25L)
- Oil pressure difference controller (TYBA25M-TYBA50M, TYBA15L-TYBA25L)
- Emerson solenoid valve
- Head Fan (TYBA30L-TYBA40L)

Options:

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



R404A

Model	Ambient Temperature °C	Capacity (watts) Evaporating Temperature °C						
		0	-5	-10	-15	-20	-25	-30
TYBA12MY (4TES-12Y)	Q 32	30345	25967	22019	18470	15131	12159	9060
	Q 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	10560
	Q 38	29957	26030	22271	18774	15446	12390	9180
	43	23247	19698	16433	13388	10563	7650	
	P 32	12.87	11.98	11.05	10.05	9.03	7.96	6.86
TYBA20MY (4NES-20Y)	Q 32	38787	33810	28949	24497	20328	16527	12350
	Q 38	34503	29925	25589	21566	17703	14217	10530
	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
	Q 38	49035	41601	34734	28728	23071	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	37125	30009	24056	18610	
	Q 38	47051	39564	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	58968	49224	39480	31301	23490
	Q 38	73626	63042	52889	43607	34808	27521	20430
	43	57509	48752	39417	31605	25179	18200	
	P 32	30.84	28.80	26.78	24.52	22.13	19.65	17.10
TYBA40MY (6GE-40Y)	Q 32	77921	66654	56129	46951	36047	27850	
	Q 38	70497	59178	49371	40163	31241	24640	
	43	54705	44825	36341	29096	22050		
	P 32	33.53	31.00	28.36	25.62	22.79	19.60	
TYBA50MY (6FE-50Y)	Q 32	110303	95330	80798	67767	54768	43638	33360
	Q 38	100338	86194	72608	60228	48342	38577	29060
	43	78488	66644	54233	43701	35049	26600	
	P 32	43.68	40.61	37.37	34.00	30.56	27.11	23.69

R404A

Model	Ambient Temperature °C	Capacity (watts) Evaporating Temperature °C						
		-10	-15	-20	-25	-30	-35	-40
TYBA02LY (2FES-2Y)	Q 32	4505	3822	3213	2699	2163	1691	1271
	Q 38	3980	3339	2825	2363	1869	1428	1040
	43	3434	3003	2541	2100	1638	1197	
	P 32	2.40	2.21	2.01	1.79	1.57	1.34	1.12
TYBA02LY (2EES-2Y)	Q 32	5460	4652	3885	3234	2583	2048	1533
	Q 38	4883	4106	3476	2867	2279	1764	1292
	43	3738	3192	2583	2027	1512		
	P 32	2.86	2.61	2.35	2.09	1.84	1.58	1.33
TYBA02LY (2DES-2Y)	Q 32	5481	4683	3898	3129	2436	1806	
	Q 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	
	Q 38	6122	5030	4127	3329	2562	1890	
	43	4610	3759	2982	2228	1628		
	P 32	3.75	3.40	3.03	2.66	2.28	1.90	
TYBA03LY (4FES-3Y)	Q 32	7844	6563	5408	4337	3371	2531	
	Q 38	6962	5817	4778	3822	2909	2153	
	43	5282	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
	Q 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	3878
	Q 38	13146	10773	8967	7340	5859	4463	3318
	43	9818	8127	6626	5198	3875		
	P 32	6.60	6.08	5.50	4.98	4.24	3.58	2.92
TYBA06LY (4CES-6Y)	Q 32	17682	14396	11834	9786	7896	6195	4673
	Q 38	15467	12653	10574	8705	7014	5460	4127
	43	11645	9681	7896	6268	4694		
	P 32	7.94	7.32	6.63	5.90	5.13	4.34	3.54

Technical Data

380/420V-3Ph-50Hz

Model	Displacement	Max. Oper. Current	Receiver	Overall Dimension (mm)			Install Size (mm)			Tube Connection		
				A	L	B	T	H	b	t	Φ	SL
TYBA02MY(2HES-2Y)	6.51	7.4	6	720	670	554	680	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	454	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"	
TYBA04MY(4FES-5Y)	18.10	18.7	10	1280	760	774	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	880	1250	410	14	5/8"	1-1/8"	
TYBA09MY(4CES-9Y)	32.50	34.5	18	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	1354	830	722	1324	500	14	5/8"	1-3/8"	
TYBA15MY(4PES-15Y)	48.50	31.00	35	1654	820	874	1624	410	14	7/8"	1-5/8"	
TYBA20MY(4NES-20Y)	56.20	37.00	35	1360	880	1373	1330	500	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	---	---	---	---	---	---	---	---	---
TYBA35MY(6HE-35Y)	110.50	61.00	50	---	---	---	---	---	---	---	---	---
TYBA40MY(6GE-40Y)	126.80	78.00	50	---	---	---	---	---	---	---	---	---
TYBA50MY(6FE-50Y)	151.60	92.00	85	---	---	---	---	---	---	---	---	---
TYBA02LY(2FES-2Y)	9.54	8.5	3	706	686	500	666	320	11	3/8"	5/8"	
TYBA02LY(2EES-2Y)	11.40	9.9	6	740	700	554	700	330	11	3/8"	7/8"	
TYBA02LY(2DES-2Y)	13.40	11.9	6	740	700	554	700	330	11	1/2"	7/8"	
TYBA03LY(2CES-3Y)	16.20	14.8	6	900	690	454	860	300	11	1/2"	7/8"	
TYBA03LY(4FES-3Y)	18.10	15.9	6	900	690	454	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	1237	780	654	1190	300	11	1/2"	1-1/8"	
TYBA08LY(4TES-8Y)	41.30	24.00	18	1320	800	881	1290	520	14	5/8"	1-3/8"	
TYBA12LY(4PES-12Y)	48.50	21.00	18	1320	800	881	1290	520	14	5/8"	1-3/8"	
TYBA14LY(4NES-14Y)	56.20	24.00	35	1340	860	734	1310	580	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	1373	1330	580	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"	

Technical Data

380/420V-3Ph-50Hz

Model	Displacement m ³ /h	Max. Oper. Current	Receiver	Overall Dimension (mm)			Install Size (mm)			Tube Connection	
				A	B	C	A	B	SL	FL	
TYBA44LY(8FE-44Y)	151.60	78.00	50	----	----	----	----	----	1-1/8"	2-1/8"	
STYBA05JY(34TS-2Y)	19.7	14.00	14	1162	900	605	1122	300	5/8"	1-1/8"	
STYBA04JY(34NH-2Y)	28	17.00	14	1280	900	775	1250	560	5/8"	1-1/8"	
STYBA12JY(34G12-2Y)	42.3	24.00	35	1340	1150	760	1310	750	7/8"	1-3/8"	
STYBA16JY(35J16-2Y)	63.5	31.00	35	1310	1080	1431	1280	780	7/8"	1-5/8"	
STYBA20JY(36H20-2Y)	73.6	37.00	35	1390	1105	1373	1350	805	7/8"	1-5/8"	
STYBA25JY(36G25-2Y)	84.5	45.00	35	1410	1080	1373	1380	660	7/8"	1-5/8"	
STYBA30JY(36F30-2Y)	101.1	53.00	35	-----	-----	-----	-----	-----	7/8"	1-5/8"	