

Medium Temperature

Low Temperature

Model	Freeblock FB3G TN R290	Freeblock FB7G TN R290	Freeblock FB13G TN R290	Freeblock FB16G TN R290	Freeblock FB20G TN R290	Freeblock FB26G TN R290	Freeblock FB3N BT R290	Freeblock FB6N BT R290	Freeblock FB13N BT R290	Freeblock FB20N BT R290	Freeblock FB28N BT R290	
Supply voltage	220V/1/50Hz						220V/1/50Hz					
Cooling capacity (W) [1]	1192	1192	1543	2x 1022	2x 1192	2x 1543	907	907	2x 606	2x 694	2x 907	
Absorbed power (W) [1]	513	513	736	2x 444	2x 513	2x 736	684	684	2x 411	2x 474	2x 684	
Absorbed current (A) [1]	2,37	2,37	3,97	4,62	4,74	7,94	3,79	3,79	4,00	4,56	7,58	
Maximum absorbed power (W) [2]	1061	1056	1330	1623	1837	2426	1467	1474	1697	1963	2714	
Lp dB(A) at 1 meter	59	59	59	60	62	62	59	59	55	55	62	
Panel width (mm)	400	800					400	800				
Panel height (mm)	800	400					800	400				
Ø Liquid diameter (mm)	6	6	6	6	6	6	6	6	6	6	6	
Ø Suction diameter (mm)	10	10	10	10	10	10	10	10	10	10	10	
Weight (Kg)	74	76	80	89	120	144	70	72	82	107	129	
Plug	PLUG 2P+T 32A 6h IP66/IP67						PLUG 2P+T 32A 6h IP66/IP67					
Compressor	NEU6217U	NEU6217U	NT6222U	2x NEU6214U	2x NEU6217U	2x NT6222U	NT2210U	NT2210U	2x NEU2168U	2x NEU2178U	2x NT2210U	
Displacement (cm³)	14,28	14,28	20,44	2x 12,11	2x 14,28	2x 20,44	27,8	27,8	2x 16,80	2x 18,70	2x 27,80	
Type	Ermetico Embraco						Ermetico Embraco					
Lubrificant	ESTER / ISO22						ESTER / ISO22					
Refrigerant	R290						R290					
Standard quantity (Kg)	0,14	0,14	0,14	2x 0,12	2x 0,15	2x 0,13	0,12	0,12	2x 0,11	2x 0,14	2x 0,13	
Condensator	COIL D= 5 mm						COIL D= 5 mm					
Fin spacing (mm)	3,0	2,5	2,5	2,5	2,5	2,5	3,0	2,5	2,5	2,5	2,5	
Nr. of rows	3	2	2	4	4	4	3	2	4	4	4	
Frontal area (m²)	0,070	0,144	0,144	0,144	0,144	0,144	0,070	0,144	0,144	0,144	0,144	
Condensator fan	EC MOTOR FAN						EC MOTOR FAN					
Quantity / diameter	1X254/31°	1X254/27°	1X254/31°	2X254/27°	2X254/27°	2X254/31°	1X254/31°	1X254/31°	1X254/31°	2X254/27°	2X254/31°	
Supply voltage	220V/1/50Hz						220V/1/50Hz					
RMP	1350						1350					
Volumetric air quantity (m³/h) [3]	660	580	660	1.160	1160	1320	660	660	660	1160	1320	
Nominal power (W)	48	36	48	72	72	96	48	48	48	72	96	
Absorb. during op'n (A)	0,27	0,21	0,27	0,42	0,42	0,54	0,27	0,27	0,27	0,42	0,54	
Evaporator	COIL D= 7 mm						COIL D= 7 mm					
Fin spacing (mm)	4,2	4,5	4,5	4,5	4,5	4,5	4,2	4,5	4,5	4,5	4,5	
Nr. of rows	6	3	4	4	4	5	6	3	4	4	5	
Frontal area (m²)	0,061	0,128	0,128	0,128	0,128	0,186	0,061	0,128	0,128	0,128	0,186	
Evaporator fan	EC MOTOR FAN						EC MOTOR FAN					
Quantity / diameter	1X254/31°	1X300/27°	1X300/27°	1X300/27°	1X300/27°	2X254/31°	1X254/31°	1X300/27°	1X300/27°	1X300/27°	2X254/31°	
Supply voltage	220V/1/50Hz						220V/1/50Hz					
RMP	1350						1350					
Volumetric air quantity (mc/h)	970	970	970	970	970	1940	970	970	970	970	1940	
Nominal power (W)	48	55	55	55	55	96	48	55	55	55	96	
Absorb. during op'n (A)	0,27	0,33	0,33	0,33	0,33	0,54	0,27	0,33	0,33	0,33	0,54	
Option												
kit press. compr. HP	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	
Plug-in 2P+T IP66/67 32A 6H	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	
Panel thickness 60 mm	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	//	//	//	//	//	
Panel thickness 100 mm	OPZ	OPZ	OPZ	OPZ	OPZ	OPZ	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	

[1] CATALOGO EMBRACO ASPERA; CONDIZIONI EN12900 Te=-10°C/Tc=+45°C TEMP.GAS. ASP. 20°C - SOTTORAFF. 0K - T AMB. COMPR. 32°C (per NE/NEK TEMP. GAS ASP. 32°C )  
Te=-35°C/Tc=+45°C TEMP.GAS. ASP. 20°C - SOTTORAFF. 0K - T AMB. COMPR. 32°C (per NE/NEK TEMP. GAS ASP. 32°C )

[2] POTENZA MAX COMPRESSORE ALLE CONDIZIONI ASHRAE: Te=7,2°C/Tc=+54,4°C TEMP.GAS. ASP. 35°C - SOTTORAFF. 8,3K - T AMB. COMPR. 35°C  
Te=-23,3°C/Tc=+54,4°C TEMP.GAS. ASP. 32,2°C - SOTTORAFF. 22,2K - T AMB. COMPR. 32,2°C

[3] PORTATE CALCOLATE A 40 Pa

(\*)Test Condition: ASHRAE, Fan, Return Gas 32.2°C, Evaporating: -23.3°C, Condensing: 54°C, Ambient: 32.2°C, Liquid: 32.2°C  
LT-30/+45°C