

Mbsm.pro, Compressor, Qd59, 1/6 hp++, 1/5 hp–, 142 w, QD series Compressor

Category: compressor

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QD series Compressor For Refrigerator R134a

QD series LBP refrigerator compressor

The refrigeration is R134a, suitable for water dispenser or water cooler, small refrigerator and other small refrigeration appliances. The structure form is crank connection-rod reciprocating piston type, and employing indirect & semi-direct inlet.

The QD series compressor belongs to the hermetical piston rod type of

electromotor driver. It adopts PTC starter or starting relay, and matches overload protection inside. Widely used for refrigerating show box and fin, for family and business refrigerator, freezing refrigeration, dehumidifier etc.

Test Conditions:

Evaoprating Temp:-23.3°C

Ambient Temp:32.2°C

Suction Temp:32.2°C

Subcooling Temp:32.2°C

Condensing Temp:54.4°C

R12/R134A/R406-LBP compressor performance parameter



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S Serie Range-R134a

Application: Mostly used for Refrigerator, Deep Freezer, Showcase etc.

Model	Displacement (cm ³)	Power Supply V/Hz	Horse Power HP	Cooling Capacity ASHRAE -23.3°C			COP W/W	Motor Type	Cooling	Refrigerant			
				Watt	Kcal/Hr	Btu/Hr							
LBP													
QD43	4.30	220-240/50-60	1/7	110	95	375	1.06	RSIR	ST	R134a			
		110-115/60	1/6	125	108	427	1.16						
QD52	5.20	220-240/50-60	1/6	128	111	437	1.16						
		110-115/60	1/5	154	133	525	1.20						
QD59	5.90	220-240/50-60	1/5	148	128	505	1.17						
		110-115/60	1/5	186	161	635	1.23						
QD65	6.50	220-240/50-60	1/5	168	145	573	1.25						
		110-115/60	1/4	195	168	665	1.28						
QD76	7.60	220-240/50-60	1/4	180	156	614	1.26						
		110-115/60	1/4	210	181	717	1.28						
QD88	8.80	220-240/50-60	1/4+	235	203	802	1.25						
		110-115/60	1/3	260	225	887	1.22						

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Series	Model	HP	Displacement (cm)	Cooling Capacity (W)	Input Power (W)	C.O.P	Current (A)	Cooling Type	Motor Type
QD Series 220V 50/60Hz	QD43	1/6	4.3	120	112	1.07	1.05	ST	RSIR
	QD53	1/6	5.3	136	127	1.07	1.25	ST	RSIR
	QD59	1/6	5.9	145			1.35	ST	RSIR
	QD70	1/5	7.0	160	152	1.05	1.4	ST	RSIR
	QD90	1/4	9.0	180	161	1.12	1.5	ST/OC	RSIR
	QD98	1/4	9.8	207	185	1.12	1.7	ST/OC	RSIR
	QD120	1/3	12.0	265	237	1.12	1.85	ST/OC	RSIR
	QD142	3/8	14.2	324	279	1.16	1.95	ST/OC	RSIR
	QD167	1/2	16.7	375	329	1.04	2.05	ST/OC	RSIR
	QD43M	1/6	4.3	117	111	1.05	1.02	ST	RSIR
QD Series 240V /50Hz	QD53M	1/6	5.3	134	125	1.07	1.23	ST	RSIR
	QD59M	1/6	5.9	142	135	1.05	1.28	ST	RSIR
	QD70M	1/5	7.0	158	151	1.05	1.32	ST	RSIR
	QD90M	1/4	9.0	178	159	1.12	1.38	ST/OC	RSIR
	QD98M	1/4	9.8	205	183	1.12	1.65	ST/OC	RSIR
	QD120M	1/3	12.0	263	235	1.12	1.83	ST/OC	RSIR
	QD142M	3/8	14.2	322	278	1.16	1.96	ST/OC	RSIR
	QD167M	1/2	16.7	373	327	1.14	2.02	ST/OC	RSIR
	QD43U6	1/6	4.3	126	115	1.10	1.05	ST	RSIR
	QD53U6	1/6	5.3	143	128	1.12	1.26	ST	RSIR
QD Series 115v/60Hz	QD59U6	1/6	5.9	153	137	1.12	1.3	ST	RSIR
	QD70U6	1/5	7.0	168	146	1.15	1.35	ST	RSIR
	QD90U6	1/4	9.0	189	164	1.15	1.52	ST/OC	RSIR
	QD98U6	1/4	9.8	218	195	1.12	1.86	ST/OC	RSIR
	QD120U6	1/3	12.0	278	242	1.15	1.96	ST/OC	RSIR
	QD142U6	3/8	14.2	340	296	1.15	2.01	ST/OC	RSIR
	QD167U6	1/2	16.7	394	343	1.15	2.2	ST/OC	RSIR
	QD43T6	1/6	4.3	124	113	1.1	1.03	ST	RSIR
	QD53T6	1/6	5.3	145	129	1.12	1.25	ST	RSIR
	QD59T6	1/6	5.9	155	138	1.12	1.32	ST	RSIR
QD Series 110V/60Hz	QD70T6	1/5	7.0	170	148	1.15	1.36	ST	RSIR
	QD90T6	1/4	9.0	191	166	1.15	1.55	ST/OC	RSIR
	QD98T6	1/4	9.8	220	196	1.12	1.87	ST/OC	RSIR
	QD120T6	1/3	12.0	280	243	1.15	1.98	ST/OC	RSIR
	QD142T6	3/8	14.2	343	298	1.15	2.02	ST/OC	RSIR
	QD167T6	1/2	16.7	398	346	1.15	2.23	ST/OC	RSIR

QD Series 110V/60Hz	QD43J6	1/6-4.3	122	109	1.12	1.02	ST	RSIR
	QD53J6	1/65.3	142	127	1.12	1.25	ST	RSIR
	QD59J6	1/6+5.9	152	132	1.15	1.29	ST	RSIR
	QD70J6	1/57.0	165	143	1.15	1.34	ST	RSIR
	QD90J6	1/49.0	186	162	1.15	1.52	ST/OC	RSIR
	QD98J6	1/4+9.8	216	193	1.12	1.82	ST/OC	RSIR
	QD120J6	1/312.0	275	239	1.15	1.95	ST/OC	RSIR
	QD142J6	3/814.2	337	293	1.15	2.02	ST/OC	RSIR
	QD167J6	1/216.7	390	339	1.15	2.15	ST/OC	RSIR