

MVB-O
Motor NEMA ODP

Baldor Reliance Super-E Open Drip Proof (ODP) motors meet or exceed NEMA Premium efficiency in your choice of steel-band or cast iron frame, ideal for general purpose industrial applications.

- Air circulates freely through the motor for cooling.
- These motors are available from stock in single or three phase, rigid base, C-face or close-coupled pump mountings.
- The ODP enclosure allows air to pass freely through the motor for excellent heat transfer out of the windings.
- Class F insulation, a 1.15 Service Factor and Exxon Polyrex
- EM grease are some of these motors' standard features.
- Super-E motors have an insulation system that meets the requirements of NEMA MG1 Part 31.4.4.2 for VFD use and are considered Inverter Ready.

Baldor Reliance Super-E ODP (Open Drip Proof) motors meet or exceed NEMA Premium Efficiency for applications where an open motor may be used. The "drip proof" construction provides some protection from the environment, but is best for relatively clean, weather-protected applications.



NEMA ODP Motor components

MODEL	MOTOR HP	PHASE	VOLT	CAPACITOR	UPPER BEARING	BOTTOM BEARING
MVB 03F16O	0.33	1	115/230	EC1270A02SP	6203	6203
MVB 05F16O	0.5	1	115/230	EC1400A03SP	6203	6203
MVB 07F16O	0.75	1	115/230	OC3030F11SP	6203	6293
MVB 10F16O	1	1	115/230	OC3060C09SP	6205	6203
MVB 15F16O	1.5	1	115/230	EC1645B06	6205	6203
MVB 20F16O	2	1	115/230	EC1645B06	6205	6203
MVB 30F16O	3	1	115/230	EC1815A06SP	6206	6203
MVB 03H36O	0.33	3	230/460	--	6203	6203
MVB 05H36O	0.5	3	230/460	--	6203	6203
MVB 07H36O	0.75	3	230/460	--	6203	6203
MVB 10H36O	1	3	230/460	--	6203	6203
MVB 15H36O	1.5	3	230/460	--	6205	6203
MVB 20H36O	2	3	230/460	--	6205	6203
MVB 30H36O	3	3	230/460	--	6205	6203
MVB 50H36O	5	3	230/460	--	6206	6203
MVB 75H36O	7.5	3	230/460	--	6206	6205
MVB 100H36O	10	3	230/460	--	6206	6203
MVB 150H36O	15	3	230/460	--	6307	6206
MVB 200H36O	20	3	230/460	--	6309	6208
MVB 250H36O	25	3	230/460	--	6309	6208
MVB 300H36O	30	3	230/460	--	6312	6309

Maximum Operating Pressure = Pump Inlet Pressure + Pump Pressure

NEMA ODP Electrical data

MOTOR TYPE		NOMINAL CURRENT IN [A]				
HP	KW	FRAME	1 PH / 115 V	1 PH / 230 V	3 PH / 230 V	3 PH / 460 V
0.5	0.37	56C	4.9	2.5	1.9	0.8
0.75	0.55	56C	6.3	4.7	2.7	1.2
1.0	0.75	56C	7.8	5.5	2.9	1.6
1.5	1.1	56C	11.8	7.8	4.2	2
2.0	1.5	56C	15.6	7.8	5.6	2.6
3.0	2.2	182TC	27.2	14.7	8	3.8
5.0	4.0	182TC	-	-	13	6
7.5	5.5	184TC	-	-	18	8.6
10	7.5	213TC	-	-	25.6	12
15	11.0	215TC	-	-	36	17.5
20	15.0	254TC	-	-	51	23.5
25	18.5	254TC	-	-	62	28
30	22.0	284TSC	-	-	76	35