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Soler&Palau
 Ventilation Group

ENGINEERING DATA

TYPICAL MOTOR FULL LOAD CURRENTS

BELT DRIVE

HP	115V/1PH	208V/1PH	230V/1PH	208V/3PH	230V/460V/ 3PH	575V/3PH	115V/1PH W/TOP	115V/1PH 2SPD/2WIND	230V/1PH 2SPD/2WIND
1/8	3.4	2.0	1.7	-	-	-	-	-	-
1/4	4.4	2.5	2.2	1.6	1.4/0.7	0.5	4.4	4.2/2.6	2.1/1.3
1/3	5.4	3.2	2.7	1.8	1.6/0.8	0.6	5.4	5.7/3.2	2.8/1.6
1/2	7.8	4.4	3.9	2.5	2.2/1.1	0.8	7.8	7.6/3.6	3.8/1.9
3/4	11.6	6.7	5.8	3.6	3.1/1.5	1.2	11.6/5.8	9.0/6.0	4.5/3.0
1	13.8	8.0	6.9	3.9	3.4/1.7	1.3	15.2/7.6	12.0/7.0	5.8/3.4
1 1/2	18.0	8.7	9.0	6.3	5.6/2.8	2.4	-	20.0/11.0	10.0/5.5
2	-	-	-	7.5	6.6/6.3	2.4	-	24.0/12.0	12.0/6.0
3	-	-	-	10.6	9.2/4.6	3.5	-	-	-
5	-	-	-	15.0	14.2/7.1	5.6	-	-	-
7 1/2	-	-	-	25.2	22.0/11.1	-	-	-	-
10	-	-	-	-	27.2/13.6	-	-	-	-

HP	208V/3PH/2SPD		230V/3PH/2SPD		460V/3PH/2SPD		115V/1PH EXPL. RES.	230/460V/3PH EXPL. RES.
	2 WIND	1 WIND	2 WIND	1 WIND	2 WIND	1 WIND		
1/8	-	-	-	-	-	-	-	-
1/4	-	-	-	-	-	-	4.2	-
1/3	-	-	-	-	-	-	5.4	-
1/2	2.4/1.6	2.0/1.0	2.1/1.3	-	1.1/0.6	0.9/0.4	7.6	2.2/1.1
3/4	3.1/1.7	2.6/1.0	2.7/1.5	2.5/0.9	1.3/0.7	1.4/0.5	-	3.1/1.5
1	3.9/2.3	3.6/1.1	3.5/2.0	3.3/1.0	1.7/1.0	1.7/0.6	-	3.1/1.5
1 1/2	6.2/3.1	5.2/2.0	5.4/2.6	4.4/1.6	2.4/1.3	2.2/0.8	-	5.6/2.8
2	7.4/4.2	7.1/2.7	6.7/3.8	6.4/2.5	3.4/1.9	3.1/1.2	-	6.6/3.3
3	10.8/5.9	9.5/3.8	9.3/5.1	8.6/3.4	4.6/2.6	4.3/1.7	-	9.2/4.6
5	15.8/9.8	15.2/5.6	13.6/8.1	13.2/4.9	6.3/4.1	6.6/2.5	-	13.0/6.5
7 1/2	-	-	19.6/10.0	19.6/7.4	-	-	-	19.8/9.9
10	-	-	-	-	-	-	-	-

DIRECT DRIVE

HP	RPM	115V/1PH	208V/1PH	230V/3PH	208V/3PH	230/460V/3PH	115V/1PH TOP	115V/1PH 2SPD/2WIND	230V/1PH EXPL. RES.
1/40	1040	0.9	-	-	-	-	0.9	0.0	-
1/25	1550	0.9	-	0.4	-	-	0.9	0.9	-
1/20	1725	-	-	-	-	-	-	-	1.3
1/20	1040	1.3	-	-	-	-	1.3	1.3	-
1/15	1550	1.7	1.0	1.0	-	-	1.7	1.7	-
1/12	860	2.0	1.7	1.6	-	-	3.2	-	3.8
1/10	1500	1.3	-	-	-	-	1.3	-	-
1/8	1140	3.8	2.1	1.9	-	-	-	-	-
1/8	1140	4.0	2.3	2.0	1.2	1.1/0.5	4.0	4.2/2.9	3.8
1/4	1725	4.4	2.4	2.2	1.6	1.4/0.7	4.4	4.2/2.6	4.2
1/4	1140	5.3	2.9	2.6	1.6	1.4/0.7	5.3	5.8/4.0	5.3
1/4	860	6.5	3.6	3.2	1.8	1.9/0.9	6.5	-	6.5
1/3	1725	5.4	5.4	2.7	1.8	1.6/0.8	5.4	5.7/3.2	5.4
1/3	860	9.2	5.2	4.6	2.5	2.2/1.1	9.2	-	9.2
1/2	1140	8.7	5.1	4.5	3.0	2.6/1.3	9.4/4.7	5.8/3.2	8.7
1/2	1725	7.6	4.4	3.8	2.9	2.2/1.1	8.8/4.4	7.6/3.6	7.6
3/4	1140	9.4	7.3	4.7	3.6	3.1/1.5	9.4/4.7	7.2/4.8	12.6
3/4	1140	-	-	-	-	-	-	-	3.2/1.6*

CAUTION: These ratings are for reference purposes only. Motor nameplate ratings may vary from these ratings, depending on the make of the motor.

*230/460V, 3-phase, Exlp. Res.

NOTE: Please refer also to national electric code for additional information.