

PERFORMANCE DATA



Motor Data, Step-Down Transformer Accessory Data

Table 23.1 - Motor Data ①

Model Number	Motor HP ②	Motor Type, Voltage and Power Code							
		Totally Enclosed w/Thermal Overload ③						Explosion Proof w/ Thermal Overload	
		115/60/1	208/60/1	230/60/1	208/60/3	230/460/3	575/60/3	115/60/1	230/460/60/3
		01	N/A	02	04	05	10	06	09
		Amps	Amps	Amps	Amps	Amps	Amps	Amps	Amps
HSB/HC-18	1/60	0.8	④	0.44	④	④	④	3.1	-
HSB/HC-24	1/25	1.6	④	0.44	④	④	④	3.1	-
HSB/HC-33	1/25	1.6	④	1	④	④	④	3.1	-
HSB/HC-47	1/12	2.2	④	1	④	1.4/0.4 ⑤	④	3.1	-
HSB/HC-63	1/12	2.2	④	1	④	1.4/0.4 ⑤	④	3.1	-
HSB/HC-86	1/8	2.3	④	1	④	1.4/0.4 ⑤	④	3.1	-
HSB/HC-108	1/8	2.3	④	1	④	1.4/0.4 ⑤	④	3.1	-
HSB/HC-121	1/5	2.8	④	1.5	1.9 ⑤	2.1/1.05 ⑤	④	4.1	1.5/0.75
HSB/HC-165	1/3	5.4	④	2.23	1.9 ⑤	2.1/1.05 ⑤	④	6.1	1.5/0.75
HSB/HC-193	1/3	5.4	④	2.23	1.9 ⑤	2.1/1.05 ⑤	④	6.1	1.5/0.75
HSB/HC-258	1/2	7.5	④	3.5	2.6 ⑤	3.0/1.5 ⑤	④	5.8	2.0/1.0
HSB/HC-290	1/2	7.5	④	3.5	2.6 ⑤	3.0/1.5 ⑤	④	5.8	2.0/1.0
HSB/HC-340	1/2	7.5	④	3.5	2.6 ⑤	3.0/1.5 ⑤	④	5.8	2.0/1.0
V/VN-42	1/30	1.9	④	1.28	1.9 ⑤	2.1/1.05 ⑤	④	4.1	-
V/VN-59	1/30	1.9	④	1.28	1.9 ⑤	2.1/1.05 ⑤	④	4.1	-
V/VN-78	1/15	2.4	④	1.28	1.9 ⑤	2.1/1.05 ⑤	④	4.1	-
V/VN-95	1/15	2.4	④	1.28	1.9 ⑤	2.1/1.05 ⑤	④	4.1	-
V/VN-139	1/5	2.8	④	1.5	1.9 ⑤	2.1/1.05 ⑤	④	4.1	1.5/.75
V/VN-161	1/3	5.4	④	2.23	1.9 ⑤	2.1/1.05 ⑤	④	6.1	1.5/.75
V/VN-193	1/3	5.4	④	2.23	1.9 ⑤	2.1/1.05 ⑤	④	6.1	1.5/.75
V/VN-212	1/3	5.4	④	2.23	1.9 ⑤	2.1/1.05 ⑤	④	6.1	1.5/.75
V/VN-247	1/2	7.5	④	3.5	2.6 ⑤	3.0/1.5 ⑤	④	5.8	2.0/1.0
V/VN, PT/PTN-279	1/2	7.5	④	3.5	2.6 ⑤	3.0/1.5 ⑤	④	5.8	2.0/1.0
V/VN, PT/PTN-333	3/4	8.8	④	4.4	3.7 ⑤	3.5/1.8 ⑤	④	-	-
V/VN, PT/PTN-385	1	-	-	-	4	4.0/2.0	1.5	-	3.5/1.75
V/VN, PT/PTN-500	1-1/2	-	-	-	5.8	5.2/2.6	2	-	5.8/2.9
V/VN, PT/PTN-610	1-1/2	-	-	-	5.8	5.2/2.6	2	-	5.8/2.9
V, PT-952	2	-	-	-	-	6.8/3.4	-	-	6.2/3.1

① Ratings shown are for Standard and Low Outlet Temperature Models.

② All HSB/HC units, V/VN-42 thru V/VN,PT/PTN-333 motor HP listed for power code 01. V/VN,PT/PTN333 thru V/VN,PT/PTN610 motor HP listed for power code 04 and V/PT-952 motor HP listed for power code 05.

③ For model sizes V/VN/PT/PTN385 and above, motors for Power Codes 04, 05, and 10 do not have thermal overload protection.

④ For supply voltages of 208V/60Hz/1ph and all non-explosion proof 3 phase voltages of 208, 230, 460 and 575, Model Numbers indicated with Note ④, require that a 115V/60Hz/1 phase Power Code 01 unit heater be used with a shipped loose accessory transformer. See Table 23.2 for Transformer Sizes.

⑤ For non-explosion proof 3 phase supply voltages of 208, 230, and 460, Model Numbers indicated with Note ⑤, can be ordered with a Power Code (208V/3ph=04, 230/460V/3ph=05) that provides a motor matched to the supply voltage with amp draw as shown. Alternately, a 115V/60Hz/1 phase Power Code 01 unit heater could be used with a shipped loose accessory transformer. See Table 23.2 for Transformer Sizes.

Figure 23.1
Field Installed Transformer Accessory



Table 23.2 - Step-Down Transformer Accessory Selection

Model Number	208V/60Hz/1 or 3 phase	230/460V/ 60Hz/3 phase	575V/60Hz/ 3 phase
	kVA	kVA	kVA
HSB/HC 18-63	0.50	0.25	0.25
HSB/HC 86-121		0.50	0.50
HSB/HC165-193	1.00	0.75	0.75
HSB/HC258-340		1.00	1.00
V/VN 42-59	0.50	0.25	0.25
V/VN 78-139		0.50	0.50
V/VN161-212	1.00	0.75	0.75
V/VN247-333		1.00	1.00
PT/PTN279-333	1.00	1.00	1.00

kVA Size	Ship Wt. (Lb.)
0.25	7
0.50	13
0.75	15
1.00	19