



Customer information packet

35-0000-0243

1/.75KW IC411 21KGHP, 1175//970 1/MIN

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	145TCZ
Frame Material	Stainless Steel
Frequency	50.00 Hz 60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	.750 HP @ 60 HZ 1.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 380.0 V @ 50 HZ 460.0 V @ 60 HZ 190.0 V @ 50 HZ 208.0 V @ 60 HZ
Agency Approvals	WEEE UR IE3 CSA EEV CE
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	3.800 A @ 190.0 V 3.500 A @ 208.0 V 3.400 A @ 230.0 V 1.900 A @ 380.0 V 1.700 A @ 460.0 V

Part detail

Revision	L
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	35WGG487
Layout	35LY-000-153
Eff. date	08-14-2024
CD Diagram	CD0005
Poles	06
Leads	9#18
Proprietary	False
Created date	07-31-2019

Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	82.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	1.7 a
Insulation Class	H
Inverter Code	Inverter Ready
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3534M
Mounting Arrangement	F2
Number of Poles	6
Overall Length	14.91 IN
Power Factor	65
Product Family	WD All SS Encapsulated
Pulley Face Code	C-Face
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Phase Seq-Opp Std Rot (CWODE)
Speed	1155 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None

Winding Thermal 2

None

Nameplate

NP2994X01-35									
CAT.NO.	20619930 IN-D CT 4:1@ SF1.0								
SPEC.	35-0000-0243								
HP	1/.75KW IC411 21KG						I.P.	69	
VOLTS	208-230/460//190/380								
AMPS	3.7-3.8/1.9//4.2/2.1								
R.P.M.	1175//970 1/MIN								
FRAME	145TCZ	HZ	60//50			PH	3		
SER.F.	1.15	CODE	L	DES.	B	CLASS	H		
NOM.EFF.	82.5	P.F.	59						
RATING	40C AMB-S1 CONT								
CC	USABLE AT 208V					N/A			
DE	6206	ODE	6205						
ENCL	TEFC	SN							
	IE3-60: 81.9(75%)79.0(50%)								
	IE3-50: 81.4(75%)80.0(50%)								
	IE3 50HZ 78.9(100%)								

AC Induction Motor Performance Data

Record # 77027

Typical performance - not guaranteed values

Winding: 35WGM620-R008		Type: 3534M	Enclosure: TEFC		
Nameplate Data		460 V, 60 Hz: High Voltage Connection			
Rated Output (HP)	1	Full Load Torque	4.53 LB-FT		
Volts	208-230/460//190/380	Start Configuration	direct on line		
Full Load Amps	3.5-3.4/1.7//3.8/1.9	Breakdown Torque	14.8 LB-FT		
R.P.M.	1155//955	Pull-up Torque	12.7 LB-FT		
Hz	60//50	Phase	3	Locked-rotor Torque	13.1 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	10.5 A
Service Factor (S.F.)	1.15			No-load Current	1.07 A
NEMA Nom. Eff.	82.5	Power Factor	65	Line-line Res. @ 25°C	11.6 Ω
Rating - Duty	40C	AMB-CONT	Temp. Rise @ Rated Load		44°C
S.F. Amps			Temp. Rise @ S.F. Load		51°C
				Locked-rotor Power Factor	38.6
				Rotor inertia	0.202 LB-FT ²

Load Characteristics 460 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	29	45	57	65	71	74	69
Efficiency	71.1	80.8	83.5	84.2	83.4	81.8	83.7
Speed	1190	1180	1168	1157	1143	1127	1149
Line amperes	1.14	1.27	1.46	1.7	1.98	2.32	1.87

ABB Motors and Mechanical Inc.

WINDING # 35WGM620

Typical performance - not guaranteed values.

1 HP 3 PH 60 HZ 1157 RPM 460 V 3534M

TORQUES (LB-FT): PO=14.8 PU=12.7 LR=13.1 LRA=10.5





