



Customer information packet

VHECP2333T

15HP, 1765RPM, 3PH, 60HZ, 254HP, 0944M, TEFC, F

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	254HP
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	15.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	CSA CSA EEV UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	36.200 A @ 230.0 V 38.000 A @ 208.0 V 18.100 A @ 460.0 V
Design Code	A
Drip Cover	Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	92.4 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None

Part detail

Revision	X
Type	AC
Mech. spec.	09G604
Base	
Status	PRD/A
Elec. spec.	09WGZ910
Layout	09LYG604
Eff. date	04-09-2025
CD Diagram	CD0005
Poles	04
Leads	9#12
Proprietary	False
Created date	11-09-2012

Heater Indicator	No Heater
High Voltage Full Load Amps	18.1 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	H
Lifting Lugs	Vertical Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 12 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0944M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	25.72 IN
Power Factor	83
Product Family	Super-E Chemical Processing
Pulley End Bearing Type	Ball
Pulley Face Code	P-Base
Pulley Shaft Indicator	P-Base Groove & Key
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1765 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

NP1260									
CAT.NO.	VHECP2333T								
SPEC.	09G604Z910								
HP	15								
VOLTS	230/460								
AMP	36.2/18.1								
RPM	1765								
FRAME	254HP	HZ	60	PH		3			
SER.F.	1.15	CODE	H	DES	A	CL	F		
NEMA-NOM-EFF	92.4	PF	83						
RATING	40C AMB-CONT								
CC	010A								
DE	6311	ODE	6208						
ENCL	TEFC	SN							

AC Induction Motor Performance Data

Record # 40347

Typical performance - not guaranteed values

Winding: 09WGZ910-R001			Type: 0944M		Enclosure: TEFC			
Nameplate Data			460 V, 60 Hz: High Voltage Connection					
Rated Output (HP)		15	Full Load Torque		44.5 LB-FT			
Volts		230/460	Start Configuration		direct on line			
Full Load Amps		36.2/18.1	Breakdown Torque		153 LB-FT			
R.P.M.		1765	Pull-up Torque		69.5 LB-FT			
Hz	60	Phase	3	Locked-rotor Torque		86.5 LB-FT		
NEMA Design Code		A	KVA Code	H	Starting Current		127 A	
Service Factor (S.F.)		1.15	No-load Current		7.56 A			
NEMA Nom. Eff.		92.4	Power Factor		83	Line-line Res. @ 25°C		0.59555 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		54°C	
S.F. Amps		20.8	Temp. Rise @ S.F. Load		67°C			
			Locked-rotor Power Factor		33.1			
			Rotor inertia		1.92 lb-ft²			

Load Characteristics 460 V, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	45	69	79	83	85	87	84
Efficiency	88.2	92.2	92.7	92.4	91.5	90.4	91.9
Speed	1791.3	1783.1	1774	1765.2	1754.6	1743.1	1759
Line amperes	8.62	11	14.5	18.1	22.6	26.9	20.8

ABB Motors and Mechanical Inc.

WINDING # 09WGZ910

Typical performance - not guaranteed values.

15 HP 3 PH 60 HZ 1765 RPM 460 V 0944M

TORQUES (LB-FT): PO=153 PU=69.5 LR=86.5 LRA=127





