



Product Information Packet

CEM2535T

30HP,1775RPM,3PH,60HZ,286TC,4060M,OPSB,F

Part Detail							
Revision:	L	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	40WGX339	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	40D102	Layout:	40LYD102	Poles:	04	Created Date:	05-26-2016
Base:	RG	Eff. Date:	07-20-2021	Leads:	9#8		

Specs			
Catalog Number:	CEM2535T	Insulation Class:	F
Enclosure:	OPSB	Inverter Code:	Inverter Ready
Frame:	286TC	IP Rating:	NONE
Frame Material:	Steel	KVA Code:	H
Motor Letter Type:	Three Phase	Lifting Lugs:	Standard Lifting Lugs
Output @ Frequency:	30.000 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 8 AWG
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
Agency Approvals:	CSA	Motor Type:	4060M
	CSA EEV	Mounting Arrangement:	F1
	UR	Power Factor:	82
Auxiliary Box:	No Auxiliary Box	Product Family:	General Purpose
Auxiliary Box Lead Termination:	None	Pulley End Bearing Type:	Ball
Base Indicator:	Rigid	Pulley Face Code:	C-Face
Bearing Grease Type:	Polyrex EM (-20F +300F)	Pulley Shaft Indicator:	Standard
Blower:	None	Rodent Screen:	None
Current @ Voltage:	76.000 A @ 208.0 V	Shaft Extension Location:	Pulley End

	72.000 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding
	36.000 A @ 460.0 V	Shaft Rotation:	Reversible
Design Code:	A	Shaft Slinger Indicator:	No Slinger
Drip Cover:	No Drip Cover	Speed Code:	Single Speed
Duty Rating:	CONT	Motor Standards:	NEMA
Electrically Isolated Bearing:	Not Electrically Isolated	Starting Method:	Direct on line
Feedback Device:	NO FEEDBACK	Thermal Device - Bearing:	None
Front Face Code:	Standard	Thermal Device - Winding:	None
Front Shaft Indicator:	None	Vibration Sensor Indicator:	No Vibration Sensor
Heater Indicator:	No Heater	Winding Thermal 1:	None
		Winding Thermal 2:	None

Nameplate NP3554LUA

CAT.NO.	CEM2535T				P/N					ENCL	OPSB	
SPEC.	40D102X339G1			CC	010A		FRAME	286TC		SER.NO.		
HP	30			CLASS	F		HZ	60				
RPM	1775			PH	3		DES	A				
VOLTS	230/460				CODE	H		ODE BRG	6309		DE BRG	6311
AMPS	72/36			USABLE AT 208V				76				
RATING	40C AMB-CONT			NEMA-NOM-EFF				94.1		GREASE	POLYREX EM	
PF	82		SER.F.	1.15		CT30-60(2:1) VT3-60(20:1)						
USABLE AT	50HZ 30HP 190/380V 86/43A				SF 1.0							
HTR-VOLTS			HTR-AMPS			MAX. SPACE HEATER TEMP.						

AC Induction Motor Performance Data

Record # 56978

Typical performance - not guaranteed values

Winding: 40WGX339-R001			Type: 4060M		Enclosure: OPSB		
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		30	Full Load Torque		88.8 LB-FT		
Volts		230/460	Start Configuration		direct on line		
Full Load Amps		72/36	Breakdown Torque		280 LB-FT		
R.P.M.		1775	Pull-up Torque		130 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		161 LB-FT	
NEMA Design Code		A	KVA Code	H	Starting Current		252 A
Service Factor (S.F.)		1.15	No-load Current		15.4 A		
NEMA Nom. Eff.		94.1	Power Factor	82	Line-line Res. @ 25°C		0.22043 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		29°C
S.F. Amps					Temp. Rise @ S.F. Load		35°C
					Locked-rotor Power Factor		31.4

Load Characteristics 460 V, 60 Hz, 30 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	44	67	77	82	85	85	84
Efficiency	90.5	93.8	94.4	94.3	93.9	93.2	94.1
Speed	1793.6	1788.1	1782.5	1776.9	1770.4	1763.1	1773
Line amperes	17.7	22.5	29	36.3	44.3	53	41.1

Performance Graph at 460V, 60Hz, 30.0HP Typical performance - Not guaranteed values





