



Product Information Packet

CECP4103T

25HP,1770RPM,3PH,60HZ,286TC,1056M,TEFC,F

Part Detail							
Revision:	G	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	10WGZ624	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	10H412	Layout:	10LYH412	Poles:	04	Created Date:	04-03-2017
Base:	RG	Eff. Date:	07-18-2022	Leads:	9#10		

Specs			
Catalog Number:	CECP4103T	Heater Indicator:	No Heater
Enclosure:	TEFC	Insulation Class:	F
Frame:	286TC	Inverter Code:	Inverter Duty
Frame Material:	Iron	KVA Code:	F
Motor Letter Type:	Three Phase	Lifting Lugs:	Standard Lifting Lugs
Output @ Frequency:	25.000 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 10 AWG
Voltage @ Frequency:	230.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	460.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	CLI GP A,B,C,D	Motor Type:	1056M
XP Division:	Division II	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	85
	CSA EEV	Product Family:	Super-E Chemical Processing
	UR	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	C-Face
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard
Base Indicator:	Rigid	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Extension Location:	Pulley End

Blower:	None	Shaft Ground Indicator:	No Shaft Grounding
Constant Torque Speed Range:	1.0	Shaft Rotation:	Reversible
Current @ Voltage:	60.000 A @ 230.0 V	Shaft Slinger Indicator:	Shaft Slinger
	30.000 A @ 460.0 V	Speed Code:	Single Speed
Design Code:	B	Motor Standards:	NEMA
Drip Cover:	No Drip Cover	Starting Method:	Direct on line
Duty Rating:	CONT	Thermal Device - Bearing:	None
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Winding:	None
Enclosure Modification:	Severe Duty Features	Vibration Sensor Indicator:	No Vibration Sensor
Feedback Device:	NO FEEDBACK	Winding Thermal 1:	None
Front Face Code:	Standard	Winding Thermal 2:	None
Front Shaft Indicator:	None	XP Temp Code:	T3C

Nameplate NP3241

CAT.NO.	CECP4103T	P/N		ENCLOSURE	TEFC						
SPEC.	10H412Z624G1	CC	010A	FRAME	286TC	S/N					
HP	25	CLASS	F	HZ	60	DES	B				
RPM	1770	RPM MAX	2700	PH	3	KVA-CODE	F				
VOLT	230/460	MOTOR WEIGHT	449								
AMP	60/30	SER.F.	1.15	PF	85	ODE BRG	6311	DE BRG	6311		
RATING	40C AMB-CONT	NEMA-NOM-EFF	93.6	GREASE	POLYREX EM						
				INV.TYPE	PWM						
TEMP CODE	T3C	INVERTER-TEMP-CODE	180								
TEMP =	160	C HP FR	60	C HP TO	90						
CT HZ FROM	1.0	CT HZ TO	60								
HTR-VOLTS		HTR-AMPS		HTR-WATTS		MAX. SPACE HEATER TEMP.		VT HZ FROM	0	VT HZ TO	60

AC Induction Motor Performance Data

Record # 62432

Typical performance - not guaranteed values

Winding: 10WGZ624-R001			Type: 1056M	Enclosure: TEFC	
Nameplate Data			460 V, 60 Hz: High Voltage Connection		
Rated Output (HP)		25	Full Load Torque		74.31 LB-FT
Volts		460	Start Configuration		direct on line
Full Load Amps		30	Breakdown Torque		197 LB-FT
R.P.M.		1770	Pull-up Torque		91.4 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	115 LB-FT
NEMA Design Code	B	KVA Code	F	Starting Current	173 A
Service Factor (S.F.)		1.15	No-load Current		10.4 A
NEMA Nom. Eff.	93.6	Power Factor	85	Line-line Res. @ 25°C	0.29877 Ω
Rating - Duty		40C AMB-CONT	Temp. Rise @ Rated Load		54°C
S.F. Amps			Temp. Rise @ S.F. Load		67°C
			Locked-rotor Power Factor		30.3

Load Characteristics 460 V, 60 Hz, 25 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	51	73	81	85	86	86	86
Efficiency	91	93.8	94.1	93.7	92.9	91.8	93.2
Speed	1792.8	1785.5	1778.9	1770.7	1762.4	1751.5	1766
Line amperes	12.5	17	22.9	29.5	36.5	44.7	33.7

Performance Graph at 460V, 60Hz, 25.0HP Typical performance - Not guaranteed values





