



Product Information Packet

CFM3146A

.75HP,1140RPM,3PH,60HZ,56YZ,3520M,OPEN

Part Detail							
Revision:	AK	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WGY796	CD Diagram:	CD0007	Mfg Plant:	
Mech. Spec:	35K306	Layout:	35LYK306	Poles:	06	Created Date:	
Base:	N	Eff. Date:	08-01-2022	Leads:	12#18		

Specs			
Catalog Number:	CFM3146A	Heater Indicator:	No Heater
Enclosure:	OPEN	Insulation Class:	F
Frame:	56YZ	Inverter Code:	Not Inverter
Frame Material:	Steel	KVA Code:	H
Motor Letter Type:	Three Phase	Lifting Lugs:	No Lifting Lugs
Output @ Frequency:	.750 HP @ 60 HZ	Locked Bearing Indicator:	No Locked Bearing
Synchronous Speed @ Frequency:	1200 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	12 @ 18 AWG
Voltage @ Frequency:	208.0 V @ 60 HZ	Motor Lead Exit:	Terminal Panel
	230.0 V @ 60 HZ	Motor Lead Termination:	None
	460.0 V @ 60 HZ	Motor Type:	3520M
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	68
Agency Approvals:	UR	Product Family:	General Purpose
	CSA	Pulley End Bearing Type:	Sealed Bearing
Auxillary Box:	No Auxillary Box	Pulley Face Code:	Resilient Mount
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Key And Flat
Base Indicator:	No Mounting	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Extension Location:	Pulley End

Blower:	None	Shaft Ground Indicator:	No Shaft Grounding
Current @ Voltage:	1.400 A @ 460.0 V	Shaft Rotation:	Reversible
	2.800 A @ 230.0 V	Shaft Slinger Indicator:	No Slinger
	3.000 A @ 208.0 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:	Do Not Use Eve-Not Valid
Feedback Device:	NO FEEDBACK	Vibration Sensor Indicator:	No Vibration Sensor
Front Face Code:	Standard	Winding Thermal 1:	Automatic Thermal Overload
Front Shaft Indicator:	None	Winding Thermal 1 Location:	SB
		Winding Thermal 2:	None

Nameplate NP1257L

CAT.NO.	CFM3146A											
SPEC.	35K306Y796											
HP	.75											
VOLTS	208-230/460											
AMP	3-2.8/1.4											
RPM	1140											
FRAME	56YZ				HZ 60			PH 3				
SER.F.	1.15		CODE H		DES B		CL F					
NEMA-NOM-EFF	75.5		PF 68									
RATING	60C AMB-CONT											
CC			USABLE AT 208V 3									
DE	6203			ODE 6205								
ENCL	OPEN		SN									

AC Induction Motor Performance Data

Record # 61268

Typical performance - not guaranteed values

Winding: 35WGY796-R002			Type: 3520M		Enclosure: TEAO		
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		.75	Full Load Torque		3.4 LB-FT		
Volts		208-230/460	Start Configuration		direct on line		
Full Load Amps		3-2.8/1.4	Breakdown Torque		9.6 LB-FT		
R.P.M.		1140	Pull-up Torque		7.7 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		8 LB-FT	
NEMA Design Code		B	KVA Code		H	Starting Current	6.7 A
Service Factor (S.F.)		1.15	No-load Current		0.94 A		
NEMA Nom. Eff.		75.5	Power Factor		68	Line-line Res. @ 25°C	28.5 Ω
Rating - Duty		60C	AMB-CONT		Temp. Rise @ Rated Load		31°C
S.F. Amps			Temp. Rise @ S.F. Load		36°C		

Load Characteristics 460 V, 60 Hz, 0.75 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	32	48	61	70	76	80	74
Efficiency	55	69	74	75.5	75	74	75.2
Speed	1184	1171	1157	1141	1124	1103	1131
Line amperes	1	1.05	1.15	1.35	1.55	1.8	1.47

Performance Graph at 460V, 60Hz, 0.75HP Typical performance - Not guaranteed values





