

BALDOR® • RELIANCE

Product Information Packet

UCME570

5-7.5 AIR OVERHP,3450RPM,3PH,60HZ,184TZ

Part Detail							
Revision:	H	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	36WGY591	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	36Q213	Layout:	36LYQ213	Poles:	02	Created Date:	03-06-2014
Base:	RG	Eff. Date:	08-22-2016	Leads:	9#16 SEE NOTES	Y	

Specs			
Catalog Number:	UCME570	Insulation Class:	F
Enclosure:	TEAO	Inverter Code:	Not Inverter
Frame:	184TZ	KVA Code:	K
Frame Material:	Steel	Lifting Lugs:	Standard Lifting Lugs
Output @ Frequency:	7.500 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
	5.000 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 16 AWG
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Motor Lead Exit:	Pipe Or Pipe Adaptor
Voltage @ Frequency:	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	460.0 V @ 60 HZ	Motor Type:	3628M
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Product Family:	General Purpose
Agency Approvals:	UR	Product Type:	FARM DUTY
	CSA	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	Standard
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Tapped & Key
Base Indicator:	Rigid	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	RoHS Status:	ROHS COMPLIANT
Blower:	None	Shaft Extension Location:	Pulley End

Current @ Voltage:	18.000 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding
	19.000 A @ 208.0 V	Shaft Rotation:	Reversible
	9.000 A @ 460.0 V	Shaft Slinger Indicator:	Shaft Slinger
Design Code:	-	Speed Code:	Single Speed
Drip Cover:	No Drip Cover	Motor Standards:	NEMA
Duty Rating:	CONT	Starting Method:	Direct on line
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Bearing:	None
Feedback Device:	NO FEEDBACK	Thermal Device - Winding:	Normally Closed Thermostat
Front Face Code:	Standard	Vibration Sensor Indicator:	No Vibration Sensor
Front Shaft Indicator:	None	Winding Thermal 1:	None
Heater Indicator:	No Heater	Winding Thermal 2:	None

Nameplate NP1279L

CAT.NO.	UCME570														
SPEC.	36Q213Y591G1														
HP	5-7.5 AIR OVER														
VOLTS	230/460														
AMP	18/9														
RPM	3450														
FRAME	184TZ				HZ	60			PH	3					
SER.F.	1.00			CODE	K		DES	-		CL	F				
NEMA-NOM-EFF				PF											
RATING	40C AMB-CONT														
CC				USABLE AT 208V											
DE	6206			ODE	6205			19							
ENCL	TEAO			SN											

Nameplate NP1263L

CAT.NO.	UCME570										
SPEC.	36Q213Y591G1										
HP	5-7.5 AIR OVER										
VOLTS	230/460										
AMP	18/9										
RPM	3450										
FRAME	184TZ				HZ 60			PH 3			
SER.F.	1.00		CODE K		DES -		CL F				
NEMA-NOM-EFF			PF								
RATING	40C AMB-CONT										
CC			USABLE AT 208V 19								
DE	6206			ODE 6205							
ENCL	TEAO		SN								

AC Induction Motor Performance Data

Record # 11424 - Typical performance - not guaranteed values

Winding: 36WGY591-R001	Type: 3628M	Enclosure: TEAO
-------------------------------	--------------------	------------------------

Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	5-7.5 AIR OVER			Full Load Torque	11.3 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	18/9			Breakdown Torque	48 LB-FT
R.P.M.	3450			Pull-up Torque	36 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	38 LB-FT
NEMA Design Code	-	KVA Code	K	Starting Current	80 A
Service Factor (S.F.)	1			No-load Current	3.3 A
NEMA Nom. Eff.	0	Power Factor	0	Line-line Res. @ 25°C	1.79 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	

Load Characteristics 460 V, 60 Hz, 7.5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	58	79	87	90	92	93
Efficiency	76.5	84.7	86.4	86.1	85.6	84.2
Speed	3566	3535	3500	3471	3432	3389
Line amperes	4.1	5.5	7.4	8.9	10.9	13.2

Performance Graph at 460V, 60Hz, 7.5HP Typical performance - Not guaranteed values





