

BALDOR® • RELIANCE

Product Information Packet

UCC5700

5-7HP,3450RPM,1PH,60HZ,184TZ,3634C,OPEN

Part Detail							
Revision:	AD	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	36WGW873	CD Diagram:	CD0127	Mfg Plant:	
Mech. Spec:	36F548	Layout:	36LYF548	Poles:	02	Created Date:	
Base:	RG	Eff. Date:	04-02-2015	Leads:	2#10 A PH,2#16 B PH 30" LG		Y

Specs			
Catalog Number:	UCC5700	Inverter Code:	Not Inverter
Enclosure:	OPEN	KVA Code:	C
Frame:	184TZ	Lifting Lugs:	No Lifting Lugs
Frame Material:	Steel	Locked Bearing Indicator:	Locked Bearing
Output @ Frequency:	7.000 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	2 @ 10 AWG, A PH
	5.000 HP @ 60 HZ	Motor Lead Exit:	Pipe Or Pipe Adaptor
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Motor Lead Termination:	Flying Leads
Voltage @ Frequency:	230.0 V @ 60 HZ	Motor Type:	3634C
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	97
Agency Approvals:	UR	Product Family:	General Purpose
	CSA	Product Type:	FARM DUTY
Auxiliary Box:	No Auxiliary Box	Pulley End Bearing Type:	Ball
Auxiliary Box Lead Termination:	None	Pulley Face Code:	Standard
Base Indicator:	Rigid	Pulley Shaft Indicator:	Tapped & Key
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	Included
Blower:	None	Shaft Extension Location:	Pulley End
Current @ Voltage:	19.500 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding

Design Code:	-	Shaft Rotation:	Reversible
Drip Cover:	No Drip Cover	Shaft Slinger Indicator:	No Slinger
Duty Rating:	CONT	Speed Code:	Single Speed
Electrically Isolated Bearing:	Not Electrically Isolated	Motor Standards:	NEMA
Feedback Device:	NO FEEDBACK	Starting Method:	Direct on line
Front Face Code:	Standard	Thermal Device - Bearing:	None
Front Shaft Indicator:	None	Thermal Device - Winding:	Normally Closed Thermostat
Heater Indicator:	No Heater	Vibration Sensor Indicator:	No Vibration Sensor
Insulation Class:	F	Winding Thermal 1:	None
		Winding Thermal 2:	None

Nameplate NP1279L

CAT.NO.	UCC5700									
SPEC.	36F548W873									
HP	5-7 AIR OVER									
VOLTS	230									
AMP	19.5-29									
RPM	3450									
FRAME	184TZ				HZ	60		PH	1	
SER.F.	1.00				CODE	C		DES	-	
NEMA-NOM-EFF	79				PF	97		CL	F	
RATING	40C AMB-CONT									
CC					USABLE AT 208V					
DE	6206				ODE	6205				
ENCL	OPEN				SN					

Nameplate NP1263L

CAT.NO.	UCC5700															
SPEC.	36F548W873															
HP	5-7 AIR OVER															
VOLTS	230															
AMP	19.5-29															
RPM	3450															
FRAME	184TZ				HZ				60		PH		1			
SER.F.	1.00				CODE		C		DES		-		CL		F	
NEMA-NOM-EFF	79				PF		97									
RATING	40C AMB-CONT															
CC																
DE	6206				ODE		6205				USABLE AT 208V					
ENCL	OPEN				SN											

AC Induction Motor Performance Data

Record # 10868 - Typical performance - not guaranteed values

Winding: 36WGW873-R001	Type: 3634C	Enclosure: OPAO
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Nameplate Data				230 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	5-7 AIR OVER			Full Load Torque	10.7 LB-FT
Volts	230			Start Configuration	direct on line
Full Load Amps	19.5-29			Breakdown Torque	22 LB-FT
R.P.M.	3450			Pull-up Torque	1.3 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	1.5 LB-FT
NEMA Design Code	-	KVA Code	C	Starting Current	125 A
Service Factor (S.F.)	1			No-load Current	2.9 A
NEMA Nom. Eff.	79	Power Factor	97	Line-line Res. @ 25°C	0.356 Ω A Ph 1.24 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	

Load Characteristics 230 V, 60 Hz, 7 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	97	99	99	98	97	96
Efficiency	72.2	82.5	84.6	83.7	81	76.3
Speed	3563	3527	3485	3437	3376	3291
Line amperes	8.1	14	20.5	27.7	36	46.5

Performance Graph at 230V, 60Hz, 7.0HP Typical performance - Not guaranteed values





