

# SIMHA PLUS UNIVERSAL DRIVE

Leading a New Start



SUPPORTS WIDE  
VARIETY OF MOTORS



DUST-PROOF & RAIN-PROOF  
IP 65 DESIGN



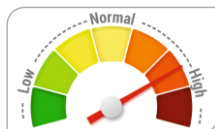
COLOUR CODED  
WIRE CONNECTION



POWERED WITH REMOTE  
MONITORING SYSTEM



GRAPHICAL LCD FOR  
EASY OPERATION



WIDE  
TEMPERATURE RANGE



INDEPENDENT DATA  
LOGGING FACILITY



MOBILE APP  
CONTROL



Shakti's Simha Universal Drive is a unique product designed, developed and manufactured in India. This drive makes it possible to run industrial motor pump sets. It supports wide varieties of motors by virtue of its universal design. It's IP 65 design and rust-proof metallic enclosure provides protection from foreign particles (e.g. rain, dust, oil) which obsoletes the need for extra outer case. Therefore, this product is recommended by experts for it's unique features, efficiency, zero operating cost, plug and play installation, electrically safe user handlings and longer period of warranty.



Suitable for HVAC System

Suitable for Conveyor Belt

Suitable for Industrial Fan

## APPLICATION

All in one solution for driving of various motors like AC-IM, PMSM, IPMSM, S4RM, etc.

## TECHNICAL SPECIFICATION

Product							
Power	1 / 2 / 3 HP	5 / 7.5 HP	10 HP	5 / 7.5 / 10 HP	1 / 2 / 3 HP	15 HP	10 HP
	96-126, 96-59, 96-158, 96-173	96-127, 96-60	96-143	96-140	96-139	96-161	96-167, 96-174
Input(DC)							
DC Voltage Ranges	30-400V	200-850V					
AC Voltage Ranges (if applicable)*	NA	NA		360-460 VAC (3P)	90-245 VAC (1P)	200-480 VAC 3PH	NA
Output (AC)							
Nominal AC Voltage Ranges	0-300 VAC	0-560 VAC			0-300 VAC	0-480VAC	0-415 VAC
Frequency	0-200Hz						
Max. AC Current	15A	15A	15A	20A	15A	25A	15A
Rated Power at AC Side	3000 W	6750 W	9000 W	9000 W	3000 W	14000 W	9600 W
Power Factor	0.7 – 1 (at full load)						
THD	70-150%						
Slope	4000 V/uS	7200 V/uS	7200 V/uS	7200 V/uS	4000 V/uS	8300 V/uS	8300 V/uS
Peak	400 V	750 V	750 V	750 V	400 V	850 V	850 V
Connection Phases	3 Phase only						
Efficiency							
Max Efficiency	>93%	>95%	>96%	>96%	>93%	>93%	>96%
General Data							
Protection	Short Circuit, Lightning/Surge, Over Temperature, Over Current, Over voltage, Dry Run						
Ingress Protection	IP 65						
Operating Temperature Range	-20 °C to 70 °C (45°C to 70°C with derating)						
Certificates	IS 16221-2(IEC62109-2), IEC60529, EN 50530						

## WHY TO CHOOSE SHAKTI'S SIMHA PLUS UNIVERSAL DRIVE

OTHER DRIVES	SIMHA PLUS UNIVERSAL DRIVE
Relatively difficult installation & operation	Simple installation & operation with graphical LCD
Confusing connections with possibility of shock	Colour Coded wire connection
IP 20	IP 65 ( Protection from dust and rain )
Remote Monitoring System ( RMS ) not available	Remote Monitoring System ( RMS ) inbuilt
Independent Data Logging Facility not available	Independent Data Logging Facility available
Mobile Application Facility not available	Mobile Application Facility available

All specifications and information are given with good intent, errors are possible and products may be subject to change without notice. Pictures may differ from actual products depending on local market requirements and regulations.

India : Toll Free No. 1800 103 5555

Other Countries : +91-7292 410500

## SHAKTI PUMPS (INDIA) LIMITED

CIN : L29120MP1995PLC009327 | Web: www.shaktipumps.com | E-mail: info@shaktipumps.com, sales@shaktipumps.com  
 Corporate Office : Plot No. C-04, Silver Spring, Phase-2, Business Park, By-Pass Road, Opp D Mart, Indore-452020. (M.P.) INDIA. Tel.: +91 731 3635000  
 Regd. Office / Factory Add. : Plot No. 401, 402 & 413, Industrial Area, Sector - 3, Pithampur-454774, Dist. Dhar (M.P.) INDIA. Tel.: +91 7292 410500



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