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UNLEASHING
POWER

UNLOCKING
VALUE



GEARED MOTORS · GEARBOXES · GEAR ASSEMBLIES · DRIVE SOLUTIONS

Geared Motors and Gearboxes are the heart of any engineering product. It is not just the torque and speed but the RELIABILITY of the Geared Motor that defines the performance of your product or equipment.

Reliability comes through superior product design, years of manufacturing excellence, in-depth knowledge about Gear technology, continuous improvements and an attitude of no compromise on product quality.

POWER BUILD PRIVATE LIMITED [popularly known PBL] An Elecon group company has embodied these attributes since 1972. Having invested continuously on technology and design, PBL has the finest infrastructure to design and manufacture Geared Motors, Gearboxes and Drive Assemblies. After decades of experience in Gear technology and continuous product development, our RADICON POWERBUILD brand of Geared Motor and Gearbox has today become the trusted workhorse of the industry. Over the years PBL has consistently delivered world class, robust and reliable products across the world. More than a million units are performing in India and around the world in the countries like Germany, UK, Sweden, USA, Italy, Middle East and SE Asia. The track record of proven performance of RADICON POWERBUILD products in diverse industries is a symbol of immense trust reposed on us by thousands of users.

RADICON POWERBUILD offers the widest range of highly efficient medium torque Geared Motors, Gear Boxes and Drive Solutions that provide the best value for your investment. So, whenever you think of Geared Motors, choose reliability over the ordinary. Experience the power of proven performance, and the advantage of RADICON POWERBUILD, the leaders in Power Transmission Solutions.

Our global network will ensure that you always find technical support nearby, when you most need it. RADICON POWERBUILD, a name that spells RELIABILITY and VALUE.

To call **RADICON POWERBUILD**, just send **SMS** to **7567567567**.

IT WILL MAKE A DIFFERENCE.

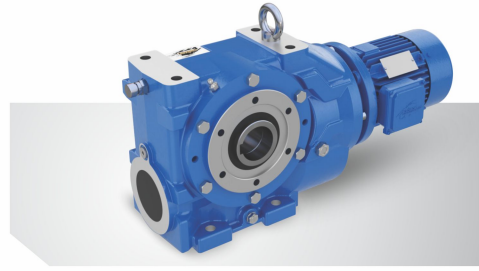


Series M:
Helical Inline Geared Motor



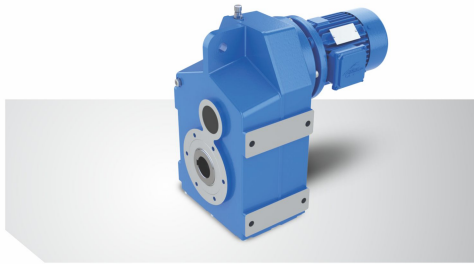
Unit Sizes : 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 12, 13, 14, 16
Input Power : Up to 160kW
Output Torque : Up to 20,000 N-m
Gear Ratios : Up to 20,000:1
Motor Sizes : IEC Frame size from 63 to 315
Application : Aerators, Blowers, Classifiers & Segregators, Coal Washery, Conveyors, Cranes, Cross-flow grit Separator, Crushers, Extrusion, Fans, Feeders, Fluid Transport, Gantry Crane, Hoist Application, Mechanical Screens, Mixers, Moulding, Agitation, Overhead Crane, Palletizing, Paper Mill Drive, Rotating Biological Contractor, Scrapers, Travel Drives, Vortex Grit Trap.

Series C:
Right Angle Heliworm Geared Motor



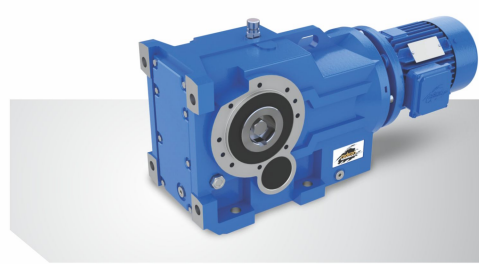
Unit Sizes : 03, 04, 05, 06, 07, 08, 09, and 10
Input Power : Up to 45kW
Output Torque : Up to 10,000 N-m
Gear Ratios : Up to 16,000:1
Motor Sizes : IEC Frame size from 63 to 225
Application : Aerators, Conveyors, Cross-flow grit Separator, Gating Systems, Mechanical Screens, Mixers, Palletizing, Paper Mill Drive, Scrapers, Rotating Biological Contractor, Vortex Grit Trap.

Series F:
Parallel Shaft Mounted Geared Motor



Unit Sizes : 02, 03, 04, 05, 06, 07, 08, 09, 10, 14, 25
Input Power : Up to 160kW
Output Torque : Up to 24,000 N-m
Gear Ratios : Up to 20,000:1
Motor Sizes : IEC Frame size from 63 to 315
Application : Aerators, Coal Washery, Conveyors, Cranes, Cross-flow grit Separator, Extrusion, Feeders, Gantry Crane, Gating Systems, Hoist Application, Mechanical Screens, Mixers, Moulding, Overhead Crane, Palletizing, Paper Mill Drive, Rotating Biological Contractor, Scrapers, Stacker Reclaimer, Travel Drives, Vortex Grit Trap, Agitation.

Series K:
Right Angle Helical Bevel Geared Motor



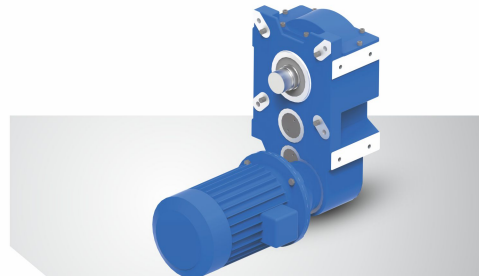
Unit Sizes : 03, 04, 05, 06, 07, 08, 09, 10, 12, 15, 16, 18
Input Power : Up to 160kW
Output Torque : Up to 50,000 N-m
Gear Ratios : Up to 10,000:1
Motor Sizes : IEC Frame size from 63 to 315
Application : Aerators, Coal Washery, Conveyors, Cranes, Cross-flow grit Separator, Extrusion, Feeders, Gantry Crane, Gating Systems, Hoist Application, Mechanical Screens, Mixers, Moulding, Overhead Crane, Palletizing, Paper Mill Drive, Rotating Biological Contractor, Sand Mullers, Scrapers, Stacker Reclaimer, Vortex Grit Trap.

SERIES PBWR :
Worm Gear Reducers



Unit Sizes : 25, 30, 40, 50, 63, 75, 90, 110, 130 and 150
Input Power : Up to 15 kW
Output Torque : Up to 1760 N-m
Gear Ratios : Up to 100: 1
Motor Sizes : IEC Frame size from 56 to 160
Application : Aerators, Conveyors, Cross-flow grit Separator, Gating Systems, Mechanical Screens, Mixers, Palletizing, Paper Mill Drive, Rotating Biological Contractor, Scrapers, Vortex Grit Trap.

Series H:
Hoist Geared Motor



Unit Sizes : H3100, H3200, H3300
Lifting capacity : Up to 12.5 Tons
Gear Ratios : Up to 120:1
Motor Sizes : IEC Frames from 90 to 160
Applications : Hoist Application.

Series PL:
Planetary Geared Motor



Unit Sizes : PL- 01, 02, 03, 05, 08, 12, 16, 25, 40, 65
PR- 01, 02, 03, 05, 08, 12, 16, 25, 40, 65

Input Power : Up to 90kW

Output Torque : Up to 65,000 N-m

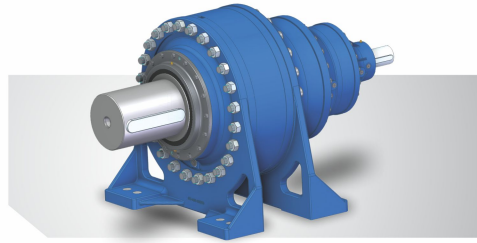
Gear Ratios : 3.6:1 to 3200:1

Output options : Output shaft with keyway. Hollow output shaft to suit connection with shrink disc. Output shaft with external spline. Output shaft with internal spline.

Motor Sizes : IEC Frames from 90 to 200

Application : Conveyors, Cranes, Crushers, Extrusion, Gantry Crane, Hoist Application, Mixers, Moulding, Overhead Crane, Sand Mullers, Scrapers, Agitation.

Series PN:
Planetary Geared Motor



Unit Sizes : 11 to 33

Input Power : Up to 55kW

Output Torque : 800 to 2,75,000 Nm

Gear Ratios : 3.6:1 to 2250:1

Application : Agitators, Blowers, Brewing & Distilling, Can Filling Machinery, Cranes, Sugar Industry, Textile Industry, Mixers, Paper Industries.

Series A:
Compact Geared Motor



Unit Sizes : 9 Sizes

Input Power : Up to 11kW

Output Torque : Up to 2,764 N-m

Gear Ratios : Up to 200:1

Output Options : Solid

Motor Sizes : IEC Frame size from 71 to 160

Application : Blowers, Conveyors, Cranes, Crushers, Extrusion, Fans, Feeders, Fluid Transport, Gantry Crane, Overhead Crane, Travel Drives, Agitation.

PBL VFD SOLUTION:



Power Rating:

- Up to 400Kw for 3 phase 415 V (1 phase optional)
- Digital Input/output:
 - Up to 8 nos of DI & 8 nos DO
 - Up to 2 nos of AI & 1 nos of AO
- Operating Temp:** -10 °C to 50 °C

Salient Feature:

- Inbuilt C3 EMC filter • PCB Protection – 2 Layer Coating
- Lightning surge protection

Application : Aerators, Conveyors, Cross-flow grit Separator, Gating Systems, Mechanical Screens, Mixers, Palletizing, Paper Mill Drive, Rotating Biological Contractor, Scrapers, Vortex Grit Trap.

Series J:
Shaft Mounted Speed Reducer



Unit Sizes : J1, J2, J3, J5 and J7- Single and Double Stages

Input Power : Up to 55kW

Output Torque : Up to 5,000Nm

Gear Ratios : Up to 5:1- Single Reduction.
Up to 25:1- Double Reduction.

Applications : Conveyors, Mixers

LOOSE GEARS & PINIONS



Components : Spur Gears.
Helical Pinions and Gears.
Double Helical Gears.
Worm & Worm Gears.
Split Gearing.

Accuracy Class : Up to DIN 6

Diameter Ranges : Up to 1000 mm

Services : Custom Gear manufacture as per Client requirement
Refurbishment of existing Gear Boxes.

APPLICATION AREAS

Steel	Textile	Sugar
	Mining	Power
Water Treatment	Ceramics & Glass	Cranes & Hoists
	Valves	Foundry
Petrochemicals	Cement	Ports & Terminals
	Oil & Gas	Conveyors
Air/ash Handling	Dairy & Poultry	Pharmaceuticals
	Chemicals	Packaging
Agriculture	Material Handling	Rubber
	Rice Milling	Aquaculture
Construction Machinery	Food Processing	Industrial Machinery



Power Build Private Limited - An aerial view of the factory



MARKETING & SERVICING FIRM



REGISTERED OFFICE :

Anand - Sojitra Road, Vallabh Vidyanagar - 388 120. Gujarat, INDIA.
Phones : +91 269 223 0168, +91 269 223 1125 Fax : +91 269 223 6508

: BRANCH OFFICES :

Ahmedabad:

Phone: +91 63574 34776
Email : infopbl@powerbuild.in

Bangalore:

Phone: +91 94495 99622
Email : infopbl@powerbuild.in

Chennai:

Phone: +91 99406 37006
Email : infopbl@powerbuild.in

Coimbatore:

Phone: +91 99406 37020
Email : infopbl@powerbuild.in

Indore:

Phone: +91 97277 01044
Email : infopbl@powerbuild.in

Jamshedpur:

Phone: +91 76311 99950
Email : infopbl@powerbuild.in

Jaipur:

Phone: +91 63574 34772
Email : infopbl@powerbuild.in

Kolkata:

Phone: +91 98740 19519
Email : infopbl@powerbuild.in

Mumbai:

Phone: +91 94255 31572
Email : infopbl@powerbuild.in

Nagpur:

Phone: +91 99235 98392
Email : infopbl@powerbuild.in

New Delhi:

Phone: +91 85888 48010
Email : infopbl@powerbuild.in

Pune:

Phone: +91 63574 34715
Email : infopbl@powerbuild.in

Punjab:

Phone: +91 99994 66619
Email : infopbl@powerbuild.in

Raipur:

Phone: +91 75666 64324
Email : infopbl@powerbuild.in

Secunderabad:

Phone: +91 94408 01633
Email : infopbl@powerbuild.in

Vadodara:

Phone: +91 97277 02701
Email : infopbl@powerbuild.in

INTERNATIONAL LOCATIONS

UK | SWEDEN | USA | NETHERLANDS | SINGAPORE
GERMANY | FINLAND | DENMARK | AUSTRALIA | ITALY | SOUTH AFRICA

SUBSIDIARIES

1. RADICON TRANSMISSION THAILAND LTD. (THAILAND)
2. RADICON TRANSMISSION FZE (UAE)

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POWER BUILD PRIVATE LIMITED
Leaders in Power Transmission Solutions

Anand Sojitra Road, Vallabh Vidyanagar, Anand - 388120 (Gujarat) India • Tel.: +91 (2692) 231070, 231120, 231170, Mo.: +91 97277 19344

E-mail: infopbl@powerbuild.in | **Web:** www.powerbuild.in

CIN : U32201GJ1972PTC002065