

Associated with



Where Performance Matters

NAV KAR ENGINEERING COMPANY

Registered & Rated with



SME Rating Agency of India Ltd.



DUNS: 86-041-4624

Why Work with us

- Provide Quality Products
- After Sales Service
- Conduct Business With Integrity & Fairness
- We Are Technology Focussed
- Strong Network Of Service & Maintenance Engineers
- Innovative Product Design & Consultancy Support

Impact Wrench & Ratchet



Model	Drive Size	Max. Torque in Reverse (Nm)	Working Torque Range (Nm)	Free Speed RPM	Weight (Kg)
212-WI	3/8"	244	27-170	10200	1.3
2115TMax	3/8"	407	34-312	15000	1.12
131S-EA	1/2"	610	34-408	8000	2.63
231C	1/2"	813	34-407	8000	2.63
2145QiMax	3/4"	1830	271-1220	7000	3.4
261	3/4"	1627	272-1224	5500	5.62
285B-6	1"	1966	136-1360	5000	11
631L	1"	4300	271-3390	3500	16.6
1077XPA	1/2"	73	14-61	160	1.25
1099XPA	1/2"	103	14-87	220	1.51

Screw Driver & Drill

Model	Torque Range	Chuck mm	Working Torque (Nm)	Free Speed rpm	Weight (Kg)
1RPNS1-WI	0.17-3.40	-	-	1000	0.50
41SA10PSQ4-WI	1.70-9.00	-	-	1000	1.20
7803RA	-	13	0.50	500	1.64
7802RA	-	10	0.50	2000	1.32



Sander & Polisher

Model	Pad or Wheel Dia. / Dim	Free Speed rpm	Working Torque (Nm)
4151-HL	150	12000	0.86
319A	178	5000	2.04
314A	175	2500	1.90
172L (Needle Scaler)	5500 (BPM)	14 (Piston Stroke)	-



Angle & Die Grinder

Model	Drive Size	Motor / Power Hp	Wheel Capacity / Collect	Free Speed rpm	Weight (Kg)
LA421-EU	4"	0.80	100 mm	12000	1.4
345Max	5"	0.88	125 mm	12000	1.6
701AGL-7600	7"	1.4	180 mm	7600	2.8
335SG4A	-	0.37	6mm / 1/4"	35000	0.59
2GLCA2000	-	0.37	6mm / 1/4"	20000	0.60

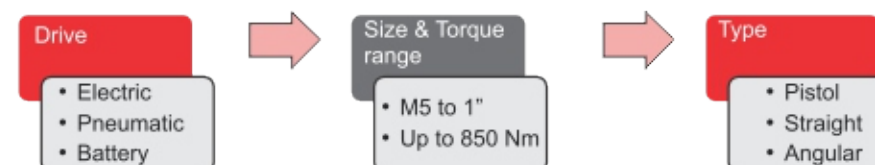


Cordless Tool

Drive	Torque Range	Type
• 1/4" – 3.4" Hex & Square	• 40 Nm to 1300 Nm	• Impact • Drill
Benefits	• Easy & Fast to do the job → lightweight • Portability	
Performance	• Brushless Motor • Deliver Max Torque	



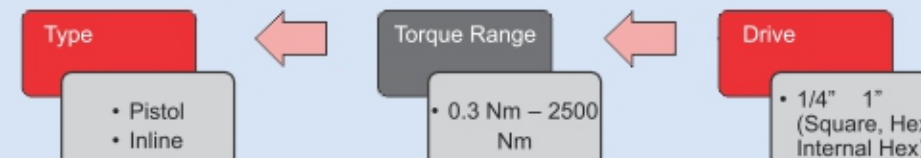
URYU (Oil Pulse Tools) -----> Towards the next innovation.



Benefits	• Fast and reaction less → No fixture required • Single blade pulse mechanism • Easy torque adjustment
Performance	• Standard Pulse Tool :- >+/- 15% • Shut off Tool - +/- 10% to 20% • MC Type - +/- 5% - 10% • Optimum for very high production assembly line



Electric Controlled Tool – DC TOOLS



Benefits	• Faster Speed & Optimum Flexibility • Improve accuracy with Sine Drive technology • Accurate, Low Noise, Clean, Closed Loop Feedback
Performance	• Accuracy :- +/- 2% - 3% • Can be interfaced, Pokayoke • Controller has 1000 cycle of end of run automatic data storage



Air Motors



Air Starters

Type:- Vane, Turbine
Leader in Air Starting

Type:- Vane, Piston, Gear
0.25 – 30 Hp Capacity
Continuous duty –
No heating issue



Industrial Lifting Equipment (Three Building Blocks to a Complete Ergonomic Handling Solution)

Support Structure

Articulating arms

- For reaching in, under and around obstacles
- Overhead rails or column-mounting
- Up to 3m reach, 225 kg Capacity

Occasional lift/short transfer

- Aluminum rail for the booms
- From 1.2 m to 6m long
- Running surface : Less than 1% rolling resistance
- Column or wall-mounted

The Ingersoll Rand rail systems

- Modular and Flexible : Bolted together; no welding required
- Clean, maintenance-free operation : no lubrication required
- Lightweight and Ergonomic : Less than 1 percent rolling resistance

Lifting devices

Air Hoist

- Capacities – 250 kgs to 1000 kgs
- Ideal for high production cycle operations
- Spark resistant and slow speed models

Air Balancer

- Controlled lifting speed and floating zones
- Maxi capacity : 450 kg
- Up to 3m travel
- Various control options/configurations

Electric Hoist

- A5/M5 duty cycle rating
- 3 stage helical gearing for quiet operation
- Closed gear box with permanent lubrication
- Capacities - 125 kgs to 5000 kgs
- Hook mount or motorised trolley available

Chain Pulley Block

OVERLOAD-PROTECTION For Your Safety

Ideal applications:

- Flammable & hazardous areas
- Chemical / paint / O&G Applications
- Rigs & Marine

Handling devices

Customized solutions

Manipulator

Car Side Frame Handling System

Torque Reaction Arms & Tool Holders



Fluid Intelligence



Piston pumps used in a painting process manufacturing



Extrusion pumps used in multi component skids to transfer silicon



Pumps installed on a bulk transfer process



Piston pump used in a customized lubrication process



Pumps assembled in an ink formulation system



Pumps installed to feed a chemical reactor



Pump Sizes –
1/4", 3/8", 1/2", 3/4", 1", 1-1/2", 2", 3"



Flow Rates –
20 to 1049 Lit/Min





Pantograph Reach Truck
Max. Capacity : 2 Ton
Max. Lift Height : 11.3 Metres

Reach Truck
Max. Capacity : 1.6 Ton
Max. Lift Height : 10.7 Metres

Battery Operated Pallet Truck
Max. Capacity : 2 Ton

Electric Pedestrian Stacker
Max. Capacity : 1 Ton
Max. Lift Height : 3.3 Metres

Hydraulic Hand Pallet Truck
Max. Capacity : 3 Ton

Scissor Pallet Truck
Max. Capacity : 1 Ton

Electric Pedestrian Pallet Truck
Max. Capacity : 3.5 Ton

Semi Electric Stacker
Max. Capacity : 1 Ton
Max. Lift Height : 3 Metres

Electric Pedestrian Stacker
Max. Capacity : 2 Ton
Max. Lift Height : 6 Metres

Stay future-proof with intelligent automated solutions.

As your ONE SOURCE for forklift service, parts, and much more we realize you have choices and we would certainly appreciate the opportunity to earn your business. We are more than ready to handle your needs.

We know you have choices when it comes to forklift repair, so we pride ourselves on quality service with quick turnaround at fair prices.

We provide on-site and workshop based Forklift Truck Maintenance and Service for *Gardner* VOLTAS & other makes...



Simpson & Co. Ltd



ENGINE ASSEMBLY



FORKLIFT SPARE PARTS





Permanent Magnet Variable Frequency Rotary Screw Air Compressors



Model	Flow (CFM)	Power (KW)	Pressure (BAR)	Sound (dBA)
PMV 15	84 – 102	15	6 to 10	68
PMV 22	127 – 149	22	6 to 10	68
PMV 37	222 – 262	37	6 to 10	70
PMV 55	353 - 422	45	6 to 10	70

KRSD Series Screw Air Compressors

Single Stage				Two Stage			
Model	Pressure	CFM	Power (KW)	Model	Pressure	CFM	Power (KW)
KRSD 7	8 / 10	42 / 35	7.5	KRSP2 75	7 / 8	641 / 578	75
KRSD 11	8 / 10	62 / 57	11	KRSP2 90	8 / 10	712 / 612	90
KRSD 15	8 / 10	85 / 78	15	KRSP2 110	8 / 10	890 / 742	110
KRSD 18	8 / 10	117 / 89	18.5	KRSP2 132	8 / 10	1038 / 890	132
KRSD 22	8 / 10	134 / 117	22	KRSP2 160	8 / 10	1261 / 1149	160
KRSD 30	8 / 10	201 / 166	30	KRSP2 200	8 / 10	1594 / 1449	200
KRSD 37	8 / 10	240 / 194	37	KRSP2 250	8 / 10	2021 / 1743	250
KRSD 45	8 / 10	300 / 233	45	KRSP2 280	8 / 10	2217 / 1991	280
KRSD 55	8 / 10	353 / 297	55	KRSP2 315	8 / 10	2521 / 2299	315
KRSD 75	8 / 10	494 / 410	75				
KRSD 90	8 / 10	600 / 477	90				
KRSD 110	8 / 10	749 / 597	110				
KRSD 132	8 / 10	848 / 706	132				
KRSD 160	8 / 10	1006 / 865	160				
KRSD 200	8 / 10	1300 / 1127	220				



Energy "Earns" or Simply
"Burns", Choice is Yours...



KRSA Series Low Pressure Screw Air Compressors

Working Pressure (3 BAR)				Working Pressure (5 BAR)			
Model	CFM	Power (KW)	Sound (dBA)	Model	CFM	Power (KW)	Sound (dBA)
KRSA 22-3	231	22	69	KRSA 30-5	231	30	69
KRSA 37-3	378	37	70	KRSA 45-5	378	45	70
KRSA 55-3	618	55	72	KRSA 55-5	441	55	72
KRSA 55-3A	690	55	72	KRSA 75-5	618	75	72
KRSA 90-3	898	90	72	KRSA 90-5	803	90	72
KRSA 90-3A	989	90	72	KRSA 110-5	898	110	73
KRSA 132-3	1407	132	73	KRSA 132-5	1059	132	75
KRSA 132-3	1547	132	73	KRSA 160-5	1407	160	75
KRSA 200-3	1990	200	75	KRSA 250-5	1990	250	78



Our Presence With Esteemed Clients



Comparison of 3 Bar & 5 Bar Screw Air Compressor v/s Standard (7/8 Bar) Screw Air Compressor for 600 cfm

Description	Standard 7 Bar Compressor running at 3.5 Bar	Low Pressure 3 Bar Compressor	Standard 7 Bar Compressor running at 5 Bar	Low Pressure 5 Bar Compressor
Req. Capacity (cfm)	600	600	600	600
Nominal Motor Power (Kw)	125	75	125	100
Specific Power (kw/cfm)	0.14	0.1	0.15	0.14
Total Power Consumption/Day (Units)	2016	1440	2160	2016
Total Power Consumption/Year (Units)	672000	480000	720000	672000
Total Power Cost/Year (INR)	50,40,000	36,00,000	54,00,000	50,40,000
Savings		14,40,000		3,60,000

We also deal in



Oil - X Water Separator



Oil Vapour Removal Filter

- OVR provides 'Technically Oil Free Air' when used in conjunction with water separators and coalescing filters
- When compressed air is required to meet ISO8573-1 Class 0 or Class 1 air quality via OVR Oil Vapour Removal filter is an essential component of the compressed air treatment system.

- End Connection / Port Size : 1/4" to 4"
- Pressure / Temp^o : Up to 16 Bar/Up to 80^oc
- Body Material : Cast Aluminum
- Efficiency : 92% between 25% to 100% of rated flow.



Heatless Air Dryer



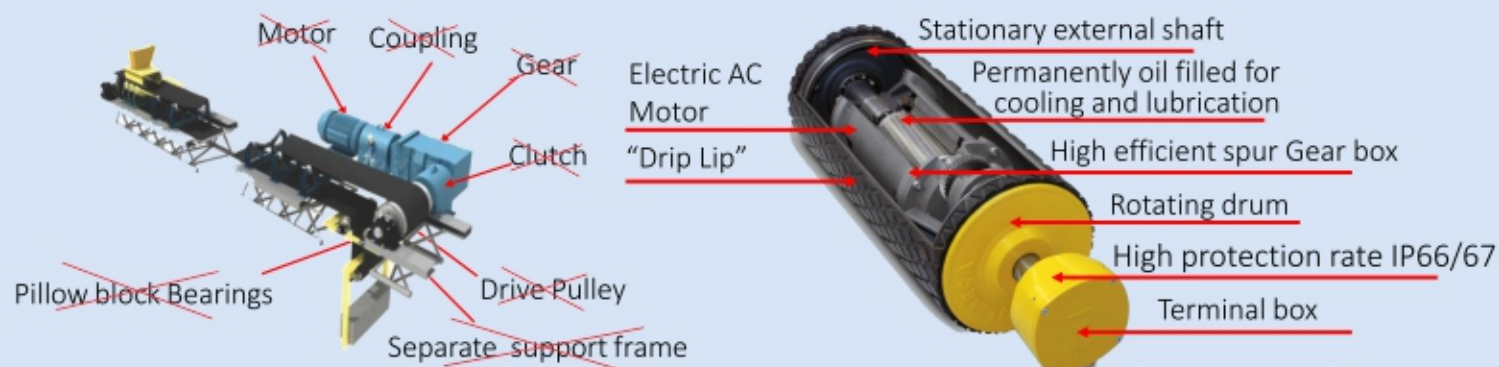
- Highest quality air
- Energy efficient
- Dry air eliminates microbiological growth
- Modular design
- Approvals to international standards
- Easy and flexible installation
- Reduced noise pollution

Refrigerated Air Dryer (Polestar Smart)

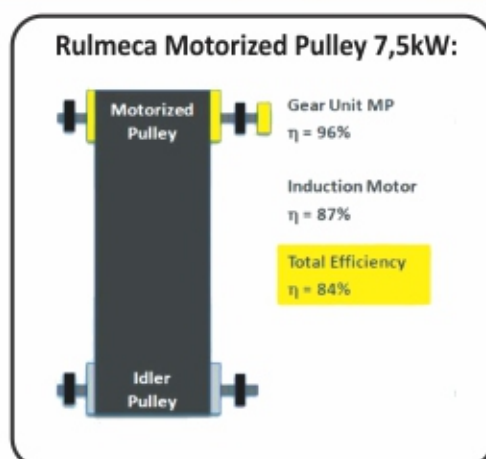
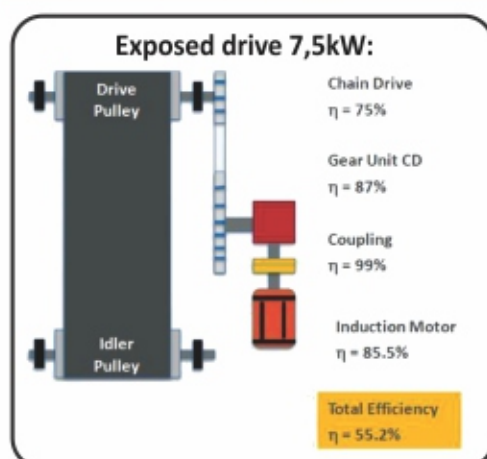
- Suitable for all compressed air applications & including variable flow
- The most energy efficient compressed air fridge dryer
- Low pressure drops for lower operational costs
- Significantly contributed to the indirect reduction of CO2 into the environment.



Difference between Conventional Pulley & Rulmecca Motorized Pulley



Energy Saving Analysis



Benefits

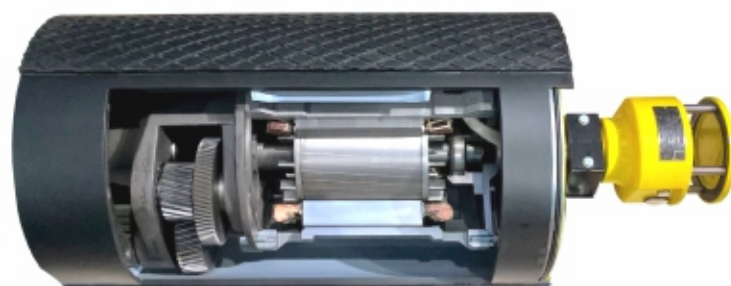
- Fit it and forget it
- Dust cannot effect the the AC-motor
- Continous oil cooling system (oil change synthetic oil 50,000 hours)
- IP 66/69 Hermetically Sealed, No Air, Dust, Water, Moisture.
- 20% to 30% less weight

Features

- NO Alignment is required
- Safety thermal switch in motor to absorb 200% extra torque.
- Power saving can be achieved, as no power loss due to intermediate drives.
- Additional features like Mechanical Back Stop, Electromagnetic Brakes, VFD, Soft Starter, Ceramic/ Rubber lagging & Re-greasable labyrinth seal.

Technical Specification

- Size - $\varnothing 220 - 1000\text{mm}$
- Power - 0.50 - 250 kW
- Speed - 0.20 - 5.50 m/sec



Applications

- Steel plants & Coal power plants
- Cement industries
- Salt plants and sugar plants
- Ports
- Chemical and fertilizers industries
- Quarries and Concrete plants
- Brown-coal opencast mines

Pneumatic Actuation



- ISO cylinders and standard cylinders (Bore : $\varnothing 8$ to $\varnothing 300$ mm)
- Compact / short-stroke cylinders (Bore : $\varnothing 8$ to $\varnothing 100$ mm)
- Stainless steel cylinders - (Bore : $\varnothing 16$ to $\varnothing 125$ mm)
- Guided cylinders - (Bore : $\varnothing 20$ to $\varnothing 63$ mm)
- Non standard cylinders - (Bore : $\varnothing 6$ to $\varnothing 63$ mm)
- Rotating cylinders - (Bore : $\varnothing 32$ to $\varnothing 125$ mm)
- Rodless cylinders - (Bore : $\varnothing 16$ to $\varnothing 80$ mm)
- Proximity switches - Reed Switches & Magnetic Switches
- Additional cylinders accessories

Valves and Solenoid Valves

- Solenoid valve 2/2 - 3/2, directly and indirectly operated
- Solenoid valves, pneumatic 2/2, 3/2, 5/2, 5/3 Way valves, valve units
- Mechanical and manual valves
- Logic valves
- Automatic valves
- Flow regulation valves
- Silencers.



Air Treatment



- Series MX, MC, MD modular FRL units (Ports : G1/8, G1/4, G3/8, G1/2, G3/4, G1)
- Series N FRL units (G1/8, G1/4)
- Pressure regulators (G1/8, G1/4)
- Pressure switches and vacuum switches
- Proportional Regulators
- Air treatment accessories

Pneumatic Connection

- Super-rapid fittings (Thread : BSP G1/8, G1/4, G3/8, G1/2, G3/4)
- Rapid fittings (Thread : BSP G1/8, G1/4, G3/8, G1/2)
- Universal fittings (Thread : BSP G1/8, G1/4)
- Fitting accessories (Thread : BSP G1/8, G1/4, G3/8, G1/2, G3/4, G1)
- Quick-release couplings (Thread : BSP G1/8, G1/4, G3/8, G1/2)
- Tubing, spirals and accessories



OUR VALUABLE CLIENTS

Who makes us feel proud...



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