



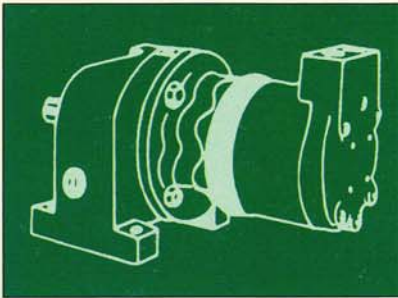
# Air Geared Rotor Motors



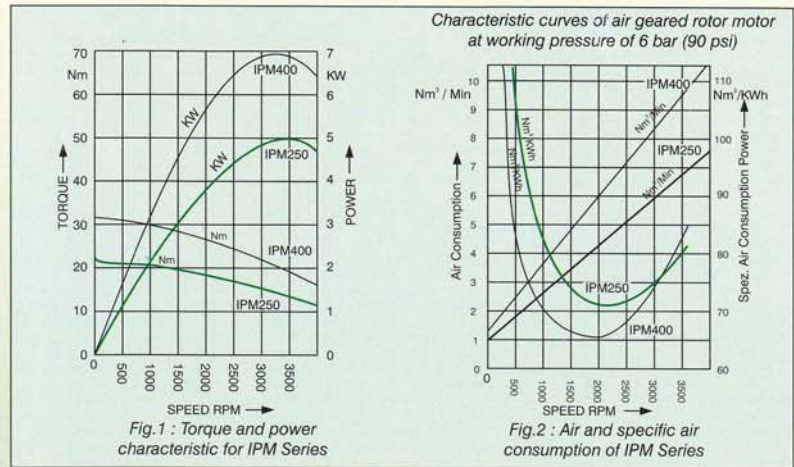
IEC DÜSTERLOH

# IEC DUSTERLOH Air Geared Motors

IEC Dusterloh Air Geared Rotor Motors have been designed specially for applications in explosive areas as well as for other heavy duty applications where continuous trouble free operation is required.



IPM 400 connected to Planetary Gear Box with Pneumatic Remote Control option



## Salient Features

IEC Dusterloh Air Rotor Motors with straight toothed rotors offer

- Simple design and reliability
- Low maintenance
- Safety in explosive atmospheres
- Safety in operation even in a moist atmospheres or at extreme temperatures
- Infinitely variable speed and torque
- Over load capacity upto stalling point without any damage to the motor
- Starting torque higher than operating torque.
- Reversal of direction of motor by remote control
- Long working life due to hardened and ground rotors

## The IPM Series of IECD Motors

The most important components of IPM Series of IEC Dusterloh Air Geared Rotor Motors are the machine straight toothed gear rotors. They rotate in a metal housing driven by compressed air media.

Type	Speed RPM	Torque Nm	Power KW	Air Consum. Nm <sup>3</sup> /Min
IPM 250	3000	16	4.75	6
IPM 250	1500	19	3	3.7
IPM 400	3000	22	6.8	8
IPM 400	1500	28	4.33	4.9

## Mounting options

- Foot Mounted
- Flange Mounted
- Modifications undertaken as per customer's requirements

Type	Speed RPM	Torque Nm	Power KW	Air Consum. Nm <sup>3</sup> /Min
IDMK 8	2000	55	11.7	13.5

# IEC DUSTERLOH Vane type Air Motors

IEC Dusterloh Gear and Vane type Air Motors are suitable for applications ranging from air motors operating on pumps in oil refineries, air motor for driving conveyers or where application demand continuous trouble free operation.

## Salient features

- Simple in design
- Explosion proof
- Minimum Maintenance
- Compact and portable
- High power to weight ratio

## Mounting Options

- Foot Mounted
- Flange Mounted
- Modifications undertaken as per customer's requirements

## These motors find wide applications

- Agitators for pharmaceutical, food, chemical and paint industries.
- Drives for soap cutting machines • Conveyor drives • Drives for fluid handling pumps in explosive and hazardous areas.

Type	Free Speed RPM	H.P.	Air Consum. Nm <sup>3</sup> / Min	Air Pressure Bar	Air Hose Size mm	Air Inlet Size	Weight Kg.
IDM - 40	5500	0.40	0.65	6	9.5	1/4"	2.5
IDM - 75	4000	0.75	0.80	6	9.5	1/4"	4.5
IDM - 100	6000	1.00	1.30	6	12.7	3/8"	5.9
IDM - 130	4000	1.50	1.60	6	25.4	3/4"	5.5
IDM - 200	3000	2.50	2.50	6	25.4	3/4"	8.0

- All Specifications are subject to change without prior notice.



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