



# ***SANDO***

## **BARREL PUMPS / DRUM PUMPS**

- ❖ *MOST SUITABLE FOR TRANSFER OF CORROSIVE FLUIDS.*
- ❖ *AVAILABLE WITH ELECTRIC MOTORS ( NON-FLAME PROOF /  
FLAME PROOF ) & AIR MOTORS.*
- ❖ *SALIENT FEATURES:*
  - *SEALLESS.*
  - *CAPACITY UPTO 35 GPM (150 LTRS/MIN).*
  - *CAN RUN DRY.*
  - *HIGH-POWER, DOUBLE INSULATED 500 WATT & 1150 WATT  
MOTOR.*
  - *CONTINUOUS DUTY RATED.*
  - *STAINLESS STEEL OR PP BODY.*
  - *AIR MOTORS & HIGH-HEAD-AIR-BOOSTERS ALSO AVAILABLE.*

## **CONSTRUCTION DETAILS OF 'SANDO' BARREL PUMPS**

*PUMP MODEL : P 80 ( STANDARD )  
P 60 (ECONOMY)*

*SIZE ( LENGTH ) : 40"*

*SUCTION TUBE : 44 MM DIA.*

*SUITABLE FOR 2" & 1.3/4" DIACARBOY OPENING*

*MAX. HEAD FLOW : AS PER THE CAPACITY GRAPH.*

*MAX.SP.GRAVITY : 1.86*

*ELECTRIC MOTOR : 230V, 50/60 HZ., UNIVERSAL-STANDARD/EX-PROOF  
( E.M. ) ( WITH ON-OFF SWITCH AND LINE CORD OF 3 METERS. )*

*ALTERNATIVES : -*

- 1) 500 WATT – ALUMINIUM, TYPE – 'H' ( STD/EX-PROOF )  
[ SAFETY MANUAL RESET CIRCUIT BREAKER (MCB) OF 6A.]  
CAPACITY PROVIDED ON STANDARD MOTOR. MOTOR  
CANNOT ACCIDENTLY RESTART AFTER BREAK TRIPS.*
- 2) 1050 WATT – PLASTIC, TYPE – 'H2' ( STANDARD )*
- 3) 1050 WATT – ALUMINIUM, TYPE – 'H2' (STD/EX-PROOF )*

*AIR MOTOR : AIR DRIVE ( 12 TO 18 CFM @ 100 PSI )  
( A.M. ) ( WITH FLOW CONTROL REGULATOR )*

*ALTERNATIVES : -*

- 1) ( 0.75 HP ) TYPE – 'H' ( EX-PROOF )*
- 2) ( 1.00 HP ) TYPE – 'H2' ( EX-PROOF )*

### *NOTE :*

- 1. FOR LIGHT & SEMI VISCOUS LIQUIDS USE STANDARD POWER ( H ) MOTOR.*
- 2. FOR SEMI AND MEDIUM VISCOSITY LIQUIDS SELECT HI-POWER ( H2 )  
MOTOR.*
- 3. FOR HIGH VISCOSITY FLUIDS SELECT 'AIR BOOSTER' PUMPS.*
- 4. REFER 'HEAD VS FLOW GRAPH FOR SELECTION OF 'TYPE OF IMPELLER' –  
TYPE 'R' OR 'C' AND 'POWER REQUIREMENT OF MOTOR' – TYPE 'H' OR 'H2'.*
- 5. SELECT COMPATIBLE VAPOUR-SEAL MATERIAL BASED ON SERVICE / LIQUID  
HANDLED.*
- 6. IF IN DOUBT PLEASE CONSULT US OR CALL US FOR PUMP TRIAL.*

## **MODELS OF BARREL PUMPS & TECHNICAL SPECIFICATION**

<i>PUMP MODEL</i>	<i>PUMP TYPE</i>	<i>MATERIAL OF CONSTRUCTION</i>
<i>P 80 H-40-PP-EM</i>  <i>P 80 H-40-PP-AM</i>	<i>P.P.-STANDARD /</i> <i>ELECTRIC</i>  <i>P.P.-STANDARD / AIR</i>	<i>BODY &amp; IMPELLER : PP</i> <i>SHAFT : HASTELLOY-C</i> <i>SEAL : VITON</i> <i>OTHERS : TEFLON</i>
<i>P 80 H-40-SS304-EM</i>  <i>P 80 H-40-SS304-AM</i>	<i>SS304-STANDARD /</i> <i>ELECTRIC</i>  <i>SS304- STANDARD / AIR</i>	<i>BODY &amp; SHAFT : SS 304</i> <i>IMPELLER : SS 316</i> <i>SEAL : BUNA-N, VITON, EPR</i> <i>OTHERS : TEFLON</i>
<i>P 80 H-40-SS316-EM</i>  <i>P 80 H-40-SS316-AM</i>	<i>SS316-STANDARD /</i> <i>ELECTRIC</i>  <i>SS316-STANDARD / AIR</i>	<i>BODY &amp; SHAFT : SS 316</i> <i>IMPELLER : SS 316</i> <i>SEAL : BUNA-N, VITON, EPR</i> <i>OTHERS : TEFLON</i>
<i>P 80 H-40-PTFE-EM</i>  <i>P 80 H-40-PTFE-AM</i>	<i>PTFE-STANDARD /</i> <i>ELECTRIC</i>  <i>PTFE-STANDARD / AIR</i>	<i>BODY &amp; IMPELLER : PTFE</i> <i>SHAFT : HASTELLOY-C</i> <i>SEAL : VITON</i> <i>OTHERS : TEFLON</i>
<i>P 60-40-C.S.-EM</i> <i>P 60-40-SS304-EM</i> <i>P 60-40-SS316-EM</i>	<i>C.S.-ECONOMY</i> <i>SS304-ECONOMY</i> <i>SS316-ECONOMY</i>  <i>(WITH 300W</i> <i>ELECTRIC MOTOR)</i>	<i>BODY : C.S. &amp; SHAFT : SS304</i> <i>BODY : SS304 &amp; SHAFT : SS304</i> <i>BODY : SS304 &amp; SHAFT : SS 316</i>  <i>(IMPELLER : P.P. &amp; SEAL : NITRILE)</i>

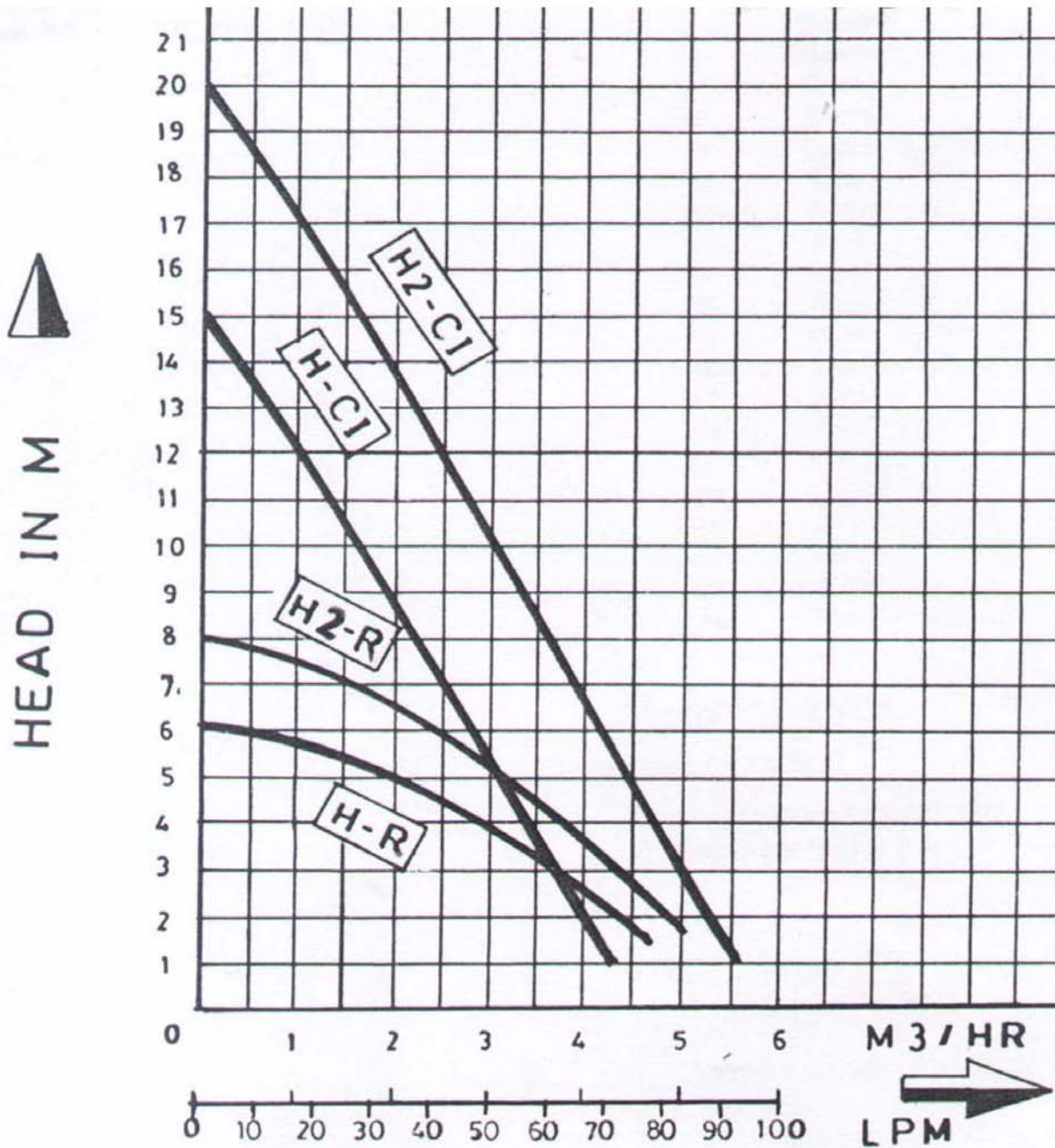
### **OUR OTHER PRODUCTS:**

1. **MANUAL ROTARY PUMP**
2. **MANUAL ROTARY PUMP ( PISTON TYPE )**
3. **AIR BOOSTER PUMP**

### **M.O.C.**

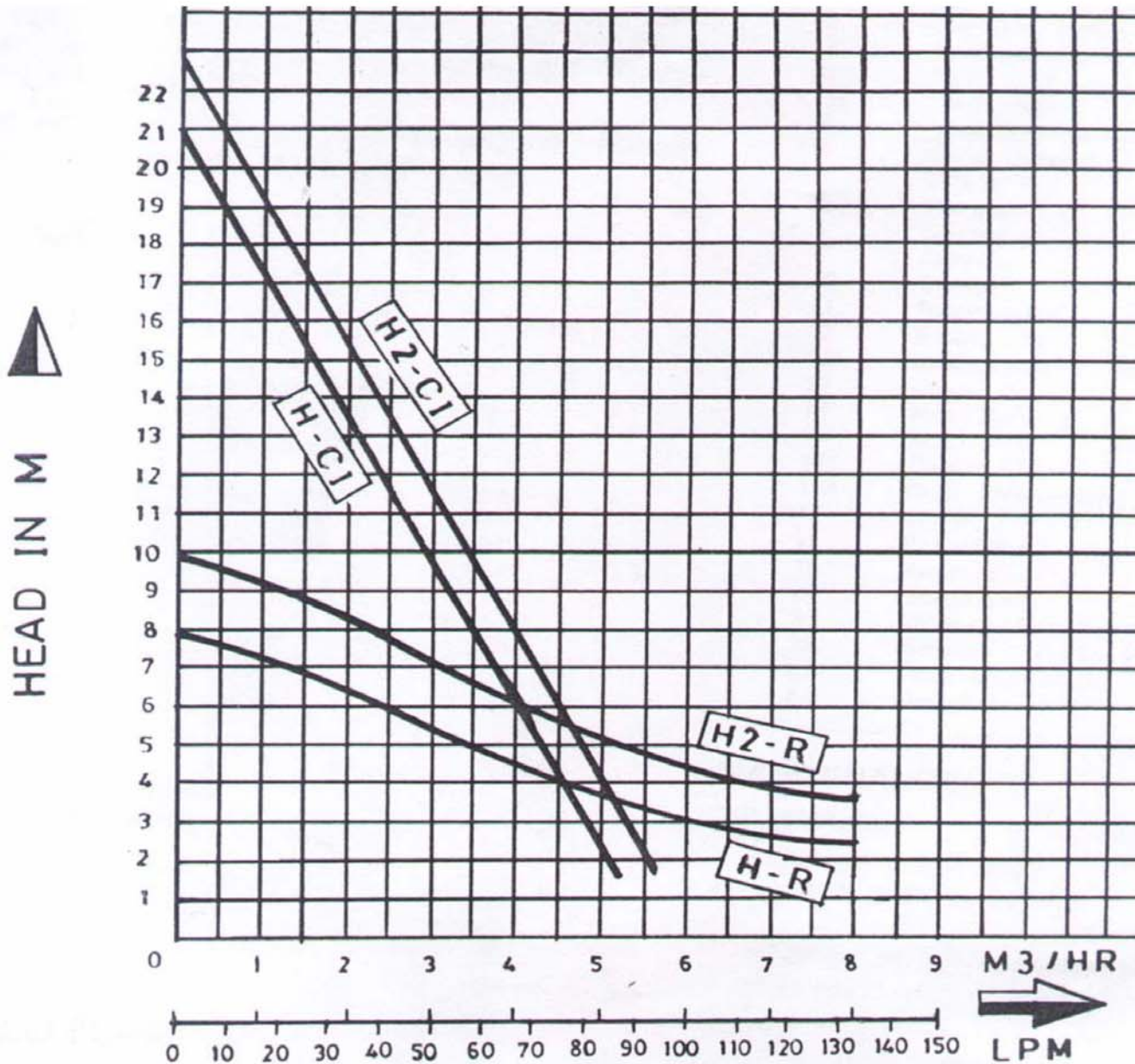
- **C.I. / SS304 / SS316**
- **P.P.**
- **SS304 / SS316 / TEFLON (PTFE)**

### **ELECTRIC MOTOR CAPACITY GRAPH**



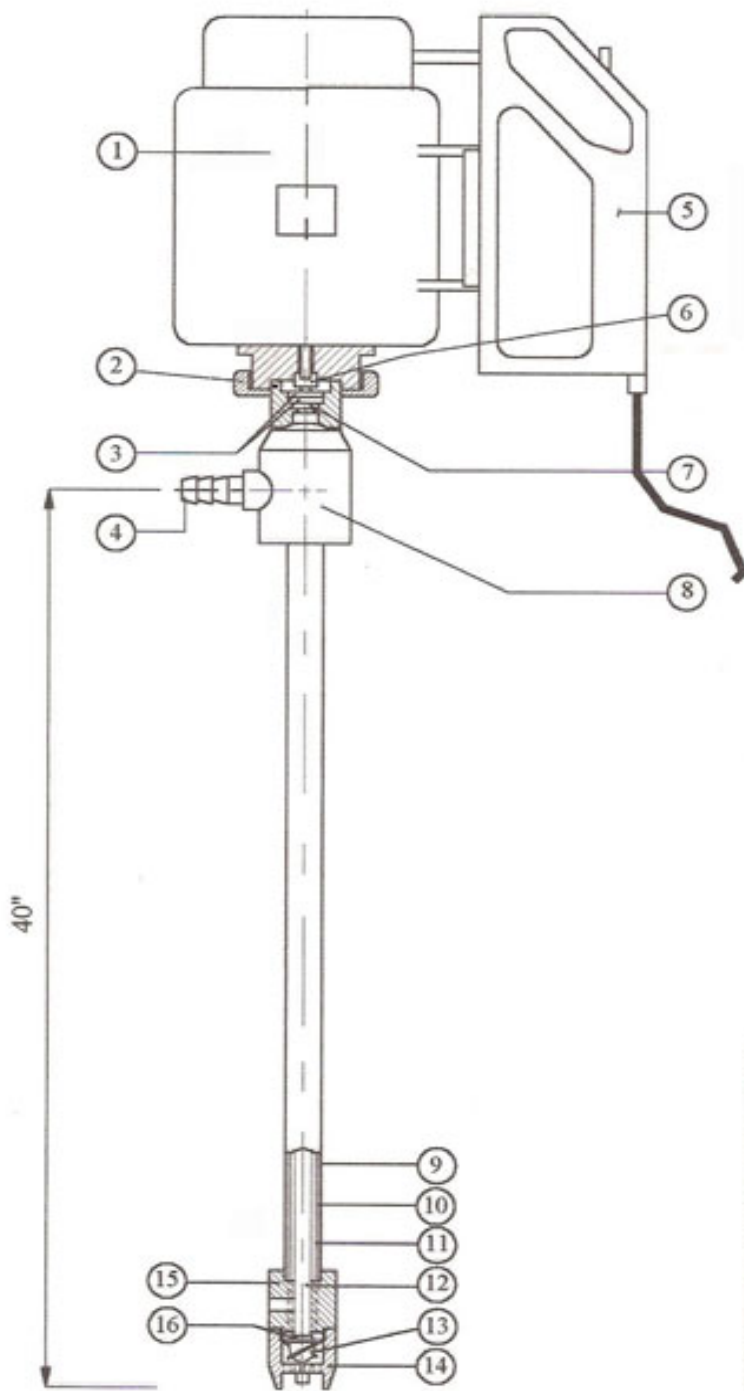
Office :- 5 & 6, Radha Dalvi Nagar, C. P. Road, Kandivali (E), Mumbai - 400 101, INDIA.  
 Email ID :- sandogroup@gmail.com / sandogroup@mtnl.net.in  
 Telephone :- 022 - 2887 5456, 2887 0347. Fax :- 022 - 2887 1214.  
 Website :- [www.sandogroup.com](http://www.sandogroup.com)

### AIR MOTOR CAPACITY GRAPH



Office :- 5 & 6, Radha Dalvi Nagar, C. P. Road, Kandivali (E), Mumbai - 400 101, INDIA.  
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16	BEARING RETAINER	SS/HAST-C
15	STRAINER	SS/PP/PTFE
14	STRAINER COVER	SS/PP/PTFE
13	IMPELLER	SS/PP/PTFE/HAST-C
12	SHAFT	SS/HAST - C
11	SLEEVE	SS/PP/PTFE
10	1/2" OD PIPE	SS/PP/PTFE
9	1.1/2" OD PIPE	SS/PP/PTFE
8	OUTLET BODY	SS/PP/PTFE
7	VAPOUR SEAL	TEFLON/VITON
6	SPIDER	NYLON
5	MOTOR HANDLE	ALUMINIUM
4	HOSE NIPPLE	SS/PP/PTFE
3	BEARING (2nos)	SS/HAST - C
2	HAND NUT	ALUMINIUM
1	ELECTRIC MOTOR OR AIR MOTOR	
SR	DESCRIPTION	MATERIAL

## SANDO BARREL/DRUM PUMPS

(Model : P 80H-SS316/PP/PTFE-EM/AM)

Sando Rotary Equipments  
Pvt. Ltd.

CLIENT M/s

DRN kusuma DATE

CONSULTANT M/s

CHD KS SCALE NTS

PO NO.

DRG NO REV-0