



**NO. 1  
IN  
PERFORMANCE**

**AIR CONTROL  
& CHEMICAL  
ENGINEERING  
COMPANY LIMITED**

ACCEL is the pioneer in HVACR field for over four decades. ACCEL is now a leading name in Air conditioning & Refrigeration Compressors, Packaged Water Chillers, Industrial Fans & Blowers and Graded Castings. Highly reliable, fit & forget technology, quality product with value added design ensure long lasting & excellent performance.

ACCEL has separate manufacturing division under one roof i.e. Compressor Division, Fan & Fabrication Division, Foundry for internal as well as external supply equipped with Machine shop and allied facilities.

Certified with ISO : 9001 : 2000 Company by Benchmark.

ACCEL has a widespread location of branch offices in India and a dealer network for supply and service support for 20,000 plus Air Conditioning and Refrigeration Compressor and Fans & Blowers at various installations.

ACCEL Products are widely used as under slung Compressor for Railways Air Conditioning, Naval and Marine applications, Cold Storage, Ice Plant, Central Air Conditioning as well as in Fisheries, Food Processing, Wineries & Dairies.

ACCEL fans are well accepted by all industrial sectors.

**For Air Conditioning and Refrigeration Compressors an Important Roleplayer  
in**



**Railway AC Coaches**



**Ice Plant**



**Cold Storage**



**Central Air Conditioning**

**For Industrial Fans & Blowers an Important Roleplayer  
in**



**Cement**



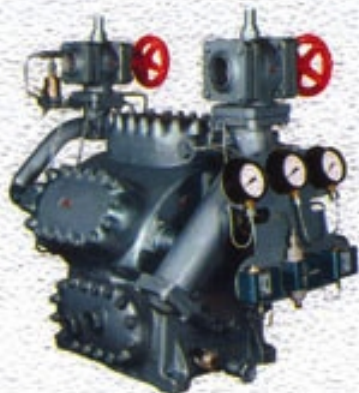
**Chemical**



**Power**



**Steel**



### ACCEL SMC (Single Stage)

Air Conditioning & Refrigeration Compressors

**Refrigerant** R 134 (a), R 22, R 717, R 404 (a), R 502

**Range** 5 TR to 330 TR

**Sizes** 2,3,4,6,8,12 and 16 cylinders (20 Models)

**Models** SMC 2-65 S/L to SMC 8-65 S/L (10 Models)  
SMC 4-100 S/L to SMC 16-100 S/L (10 Models)

**Application** Comfort Cooling, Cold Storage, Ice Plant, Defence Establishment, Marine Application, Mobile Application like Railway Coaches.

**Benefit** High Co-efficient of Performance, Low Power Consumption, Wide range of refrigeration capacities, Vibration free, Compact, Minimum noise and minimum maintenance.



### ACCEL TSMC (Two Stage)

Air Conditioning & Refrigeration Compressors for low temperature applications upto (-) 50°C.

**Refrigerant** R 717

**Range** 2 TR to 30 TR

**Sizes** 6, 8,12 and 16 cylinders (12 Models)

**Models** TSMC 6-65 S/L & TSMC 8-65 S/L (4 Models)  
TSMC 6-100 S/L to TSMC 16-100 S/L (8 Models)

**Application** Fisheries and Dairies, Pharmaceuticals, Low Temperature Application.

**Benefit** High Co-efficient of Performance, Low Power Bill, Vibration free, Longer Life, Flexibility in mounting, Competitive Price.



## ACCEL Packaged Water Chiller (PWC)

Preassembled factory tested Chillers, Condensers, Compressors and Motors, Fully Protected by reliable calibrated safety devices, all assembled on a compact rugged base frame.

<b>Refrigerant</b>	R 134 (a), R 22, R 717, R 404 (a)
<b>Range</b>	5 TR to 300 TR
<b>Sizes</b>	18 different Models.
<b>Models</b>	PWC 5, 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 100, 120, 150, 200, 225, 250, 300
<b>Application</b>	Central Air Conditioning, Marine Air Conditioning, Process Cooling in Chemical, Pharmaceutical, Textile Industries. Food Processing and Preservation, Beverages and Dairy.
<b>Benefit</b>	Chilled water centrally generated, Less duct work than all Air system, Greater energy efficiency, Better controllability, Minimum maintenance, Longer Life, Low Power Consumption.



## ACCEL Graded Casting

ACCEL foundry division is capable of producing various Grades Casting, SG Iron and Special high duty alloy casting for in house as well as outside customers' requirements. Fully equipped with on line Carbon Silicon Analyzer for testing furnace metal composition.

<b>Installed Tonnage Capacity</b>	2000 Tonnes per annum with Induction Furnace.
<b>Range</b>	Maximum melting capacity 700 Kgs. single piece
<b>Metals &amp; Alloy Casting - Grade</b>	Mehanite - GD, GC SG Iron - IS - 1865, SG - 700/2, 600/3, 400/12 etc. Grey Iron - IS - 210, Grade - 25 & others. Alloy Casting - As per customers' requirement.
<b>Application</b>	All Industrial Sectors specially for Machine Tools, Compressors, Electric Motors, Pumps and Pharmaceutical Machinery.



## ACCEL Industrial Fans & Blowers

Cater to wide variety of light and heavy duty applications in wide spectrum of industrial sectors.

<b>Range</b>	400 Cum / hr (Minimum) - 10,000,00 Cum / hr (Maximum)
<b>Static Pressure</b>	6 mm of WG (Minimum) - 2000 mm of WG (Maximum)
<b>Size (Impeller Diameter)</b>	275 mm (Minimum) - 3000 mm (Maximum)
<b>Models</b>	CSDA / CSSA / CRTA / B & F / PH / MX / MH / XB / XS / XE / XC XO / 86 / 96
<b>Application</b>	ID Fan, FD Fan, Coal Mill Fan, ESP Fan, Cooler Fan, Air Slide Blower, Cool Vent Fan, Nose Cooling Fan, Exhaust Fan, Supply Fan, Roof Ventilator, Bifurcator, Axial Flow Fan.
<b>Benefit</b>	Wide Selection, High efficiency, Low sound level, Excellent for dust loading applications, Economical, Use of Special alloys, Wider choice of flow control methods, Special design for hot gas applications, Rapid temperature swings.
<b>Constructional Features</b>	Spark Proof / Spark Resistant Blade Liner (Replaceable) - To resist wear & tear of major parts. Impeller Hard Facing - Sweat on paste / Electrode / Wear Plate. Lining - Rubber / FRP / Ebonite / Neoprene (for Chemical Industries). Construction - MS / SS / Aluminium. M.O.C of Impeller - Weldom / ASTM / Tiscroll (For High temp). Coating - Zinc Spray / Hot Dip Galvanizing / Epoxy. Noise Control - Rockwool Insulation / Silencer. Impeller Washing Arrangement - Water / Steam. Capacity Control - Inlet / Outlet / IGV / BDMP Damper. Sealing - Dry Plate / Gland packing / Labyrinth / Mechanical Drive - V Belt / Coupling / VVVF / Gearbox / Fluid / Hydraulic Coupling



Machine Shop



ACR Compressor Testing



Packaged Water Chiller



Fan Balancing Shop



Foundry Shop

**SEGMENTS OF CUSTOMERS**

ACCEL catering to various industrial segments in domestic as well as in overseas market.

- Air Conditioning
- Cold Storage
- Ice Plants
- Food Processing
- Cement
- Fertilizer
- Chemicals
- Petrochemicals & Refinery
- Railways
- Defence Establishments
- Power Plant
- Steel
- Atomic Power
- Paper & Pulp
- Mining
- Pharmaceuticals
- Hospitals
- Hotels
- Pollution Control



**AIR CONTROL & CHEMICAL ENGINEERING CO. LTD.**



**Registered Office and Works :**

Barejadi (W.Rly) P.O., Nandej, Ahmedabad 382 435  
Phone No : 02718-245306 & 245310, Fax No :02718-245232  
Email : [gmm@accelindia.com](mailto:gmm@accelindia.com) URL : [www.accelindia.com](http://www.accelindia.com)

**Marketing Offices :**

**Ahmedabad :**

63, The Chambers, Opp. Gurudwara,  
Sarkhej Gandhinagar Highway, P.O. Bodakdev, Ahmedabad-380 054.  
Phone No.: 079-26840347 Fax No.: 079-26852871  
Email : [sgmbd@accelindia.com](mailto:sgmbd@accelindia.com), [ahmedabad@accelindia.com](mailto:ahmedabad@accelindia.com)

**Agra :**

90, Ballabhji Complex, 1st Floor, Nr. Police Chowki,  
Bhagwan Talkies Chowraha, Bye Pass Road, Agra UP-282004.  
Phone No.: 0562-3200639

**Chennai :**

609, 6<sup>th</sup> Floor, Laxmi Bhavan, Behind Saffire Theatre, Anna Salai,  
Chennai - 600 006. Phone No. 044 - 28295041.  
Fax No : 044 - 28291890  
Email : [chennai@accelindia.com](mailto:chennai@accelindia.com)

**Delhi :**

P/77, South Extension, Part 2, New Delhi-110 044  
Phone No: 011-26264139. Fax No : 011-26253983  
Email : [delhi@accelindia.com](mailto:delhi@accelindia.com)

**Kolkata :**

"NAM" Building, M Block, Phase - 1 (5<sup>th</sup> Floor),  
New Alipore, Kolkata-700 053  
Phone No : 033-24008331, Fax No : 033-24008332  
Email : [kolkata@accelindia.com](mailto:kolkata@accelindia.com)

**Mumbai :**

Flat No : 103-A / 103-B, A Wing. 1<sup>st</sup> Floor, Purvi Building,  
Opp. Rawal Tower, Sundervan Complex, Andheri (west),  
Mumbai - 400053, Phone No : 022-26391541  
Fax No : 022 - 26391546  
Email : [mumbai@accelindia.com](mailto:mumbai@accelindia.com)