

# KAVITSU



**KAVITSU**

*Excellence in Gear Technology*

# INTRODUCTION

Dear customer

Now, we are 16 years old. Feeling ourselves to be little matured and things are taken with much seriousness and with proper sense. Lot many developments have helped to increase the list of product mix. A state of art manufacturing setup helps us to do the production in time and with best quality.



In sugar sector, lot much RND has proved the savings in power requirement and we have proved our capabilities by commissioning over 1.50 lacs gearboxes.

We are offering a complete readers friendly catalogue , very simple to follow.

Wish the same confidence and faith in us and in our product be continued.

Regards

**VASANT PHADTARE**  
Managing Director

- ISO 9001 : 2000 TUV INDIA PVT. LTD
- COMMISSIONERATE OF SUGAR MAHARASHTRA STATE.
- NATIONAL FEDERATION OF CO-OPERATIVE SUGAR FACTORIES LTD.
- APPROVED SUPPLIER FOR WALCHANDNAGAR INDUSTRIES
- APPROVED SUPPLIER FOR NHEC.
- APPROVED SUPPLIER FOR BHEL.
- APPROVED SUPPLIER FOR VOLTAS LTD THANE.
- APPROVED SUPPLIER FOR JINDAL STEELS.
- APPROVED SUPPLIER FOR INDIAN OIL CO. LTD.
- APPROVED SUPPLIER FOR NATIONAL AEROSPACE PVT. LTD.
- ISI MARK FOR ELECTRIC MOTOR.







# KAVITSU

CAPACITY MT	MASSCUTE TYPE	REQUIRED TORQUE	MODEL	HP	GENERATED TORQUE	RATED TORQUE	SERVICE FACTOR
<b>SPEED</b>				<b>0.33 RPM</b>			
100	<b>MONO VERTICAL</b>	3000	KT-010CV	2.00	3038	7500	2.47
150		4500	KT-011CV	3.00	4558	10500	2.30
200		6000	KT-012CV	5.00	7596	27000	3.55
250		7500	KT-012CV	5.00	7596	27000	3.55
300		9000	KT-012CV	7.50	11394	27000	2.37
400		12000	KT-012CV	7.50	11394	27000	2.37
450		13500	KT-013CV	10.00	15192	36000	2.37
525		15750	KT-014CV	12.50	18990	50000	2.63

A= A MASSCUTE, B = B MASSCUTE / VACUUM, C = C MASSCUTE / SEED CRYSTILISER

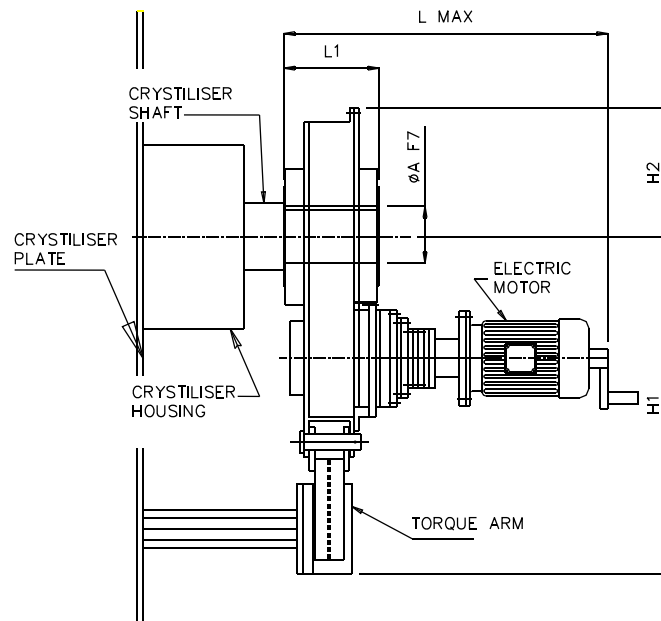
## MATERIAL COMPONENTS FOR CRYSTILISER DRIVE

ITEM	MATERIAL	HEAT TREATMENT
PLANET, SUN GEAR, PLANET PIN, GEAR PINION	SAE 8620 / 17 Cr Ni Mo6	CASE CARBURIZING & HARDENING
RING GEAR	C-45 UP TO 3000 Kgm EN-24 ABOVE 3000 Kgm	TOUGHENING
OUTPUT GEAR	IS 2707 GRADE II	TOUGHENING
INPUT SHAFT	EN-9	TOUGHENING
INPUT CASING	CAST IRON CIGR-25	
OUT PUT CASING	CAST STEEL IS 1030 GRADE II OR FABRICATED BODY WITH MS	STRESS RELIVING
BEARINGS	ANTIFRICTION BEARINGS	

## MATERIAL CONSTRUCTION FOR STANDARD PLANETARY DRIVE

ITEM	MATERIAL	HEAT TREATMENT
PLANET, SUN GEAR, PLANET PIN, GEAR PINION	SAE 8620 / 17 Cr Ni Mo6	CASE CARBURIZING & HARDENING
RING GEAR	C-45 UP TO 3000 Kgm EN-24 ABOVE 3000 Kgm	TOUGHENING
OUTPUT SHAFT	EN-24	TOUGHENING
INPUT SHAFT	EN-9	TOUGHENING
PLANET CARRIER	EN-9	
INPUT CASING / INTERMEDIATE CASINGS	CAST IRON CIGR-25	
OUT PUT CASING	CAST STEEL IS 1030 GRADE II ABOVE 250 Kgm	
OUT PUT CASING	CAST IRON CIGR 25I BELOW 250 Kgm	
BEARINGS	ANTIFRICTION BEARINGS	

# KAVITSU



MODEL	SHAFT DIA	L1	H1	H2	L MAX							
	$\phi A F7$				1 HP	1.5 HP	2 HP	3 HP	5 HP	7.5 HP	10 HP	12.5 HP
KT-5007CH	70 TO 130	204	475	226	790	805	835					
KT-5008CH	90 TO 165	226	805	285	858	873	898	951				
KT-5009CH	150 TO 220	226	810	340		946	971	1024	1044			
KT-5010CH	150 TO 220	252	810	340			1033	1086	1106	1215		
KT-5011CH	170 TO 250	252	970	390				1176	1196	1268	1303	
KT-5012CH	170 TO 250	282	970	390					1550			
KT-5010CV	170 TO 250	252	810	340			1033					
KT-5011CV	170 TO 250	252	970	390					1196			
KT-6012CV	190 TO 250	306	970	390					1550	1640		
KT-6013CV	190 TO 250	356	1030	420							1725	
KT-6014CV	190 TO 250	356	1030	420								1867

OUTPUT SHAFT DIAMETERS ARE AVAILABLE AS PER REQUIREMENT



# VARIOUS APPLICATIONS WHERE OUR PLANETARY DRIVES ARE USED IN SUGAR INDUSTRIES

- ◆ CRYSTALLIZER DRIVES (HORIZONTAL & VERTICAL)
- ◆ MECHANICAL PAN CIRCULATOR
- ◆ MOLASSES CONDITIONER
- ◆ MILK OF LIME TANK MIXER
- ◆ ROTARY JUICE SCREEN
- ◆ SMOOTH BLOWER DRIVE
- ◆ MAGMA PUMP DRIVE
- ◆ JUICE SULPHITORS
- ◆ CLARIFIERS (DOR)
- ◆ SUGAR MELTER
- ◆ MELTING TANK
- ◆ LIME SLICKER
- ◆ MAGMA MIXER
- ◆ MUD MIXER
- ◆ MINGLAR
- ◆ PUG MILL
- ◆ MILL DRIVE
- ◆ TRPF DRIVE
- ◆ GRPF DRIVE
- ◆ CANE KICKER
- ◆ ETP
- ◆ CANE CARRIER
- ◆ RAKE CARRIER
- ◆ BAGASSE ELEVATOR
- ◆ CONVEYOR DRIVE
- ◆ SUGAR ELEVATOR
- ◆ SCREW CONVEYOR
- ◆ BAGASSE EXTRACTOR
- ◆ CANE FEEDER TABLE
- ◆ NTER RAKE CARRIER
- ◆ ASH TRAVELING GRATE
- ◆ CROSS BAGASSE CARRIER
- ◆ RETURN BAGASSE CARRIER
- ◆ CANE UNLODER GEAR BOXES
- ◆ SCREW FEEDER FOR BAGASSE EXTRACTOR





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