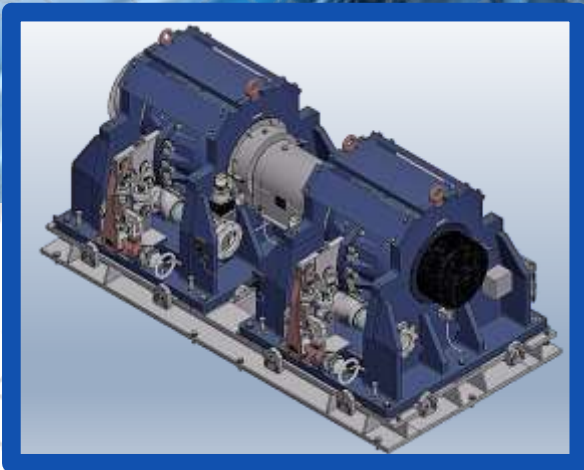


The HS890 Tandem Hydraulic Dynamometer



A dynamometer
that can handle
some of the world's
largest turbines



The most recognized engine-testing brand
for over 135 years.

A DYNO CAPABLE OF ABSORBING
56,000 kW | 6,900 RPM | 100,000 Nm

APPLICATIONS RANGE FROM TESTING INDUSTRIAL AND MARINE GAS AND STEAM TURBINES AND MODULE TESTING OF AIRCRAFT GAS TURBINES IN MANY APPLICATIONS INCLUDING RESEARCH AND DEVELOPMENT, PRODUCTION, AND REPAIR.

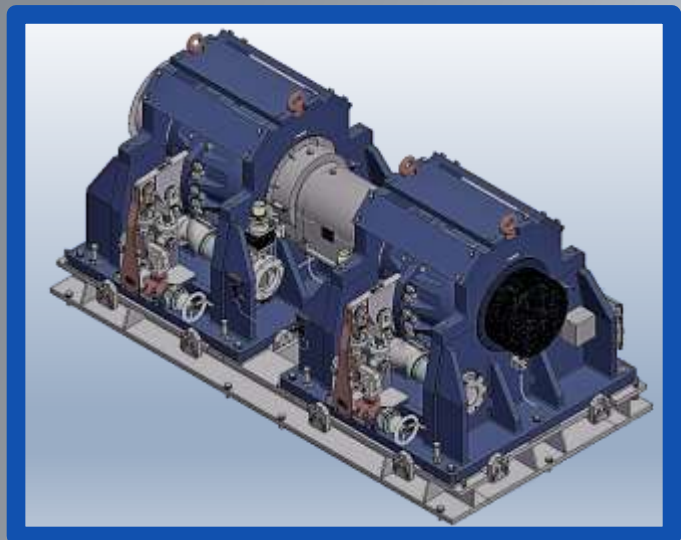
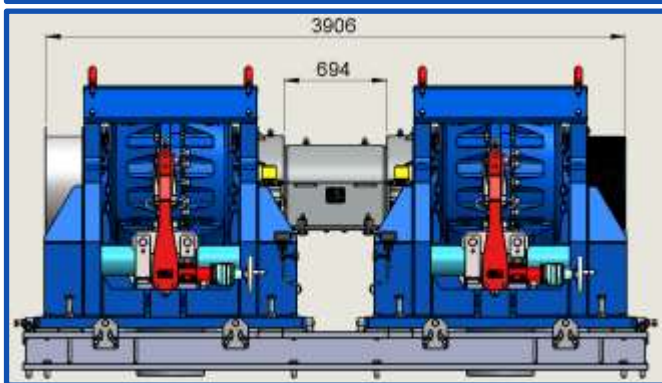
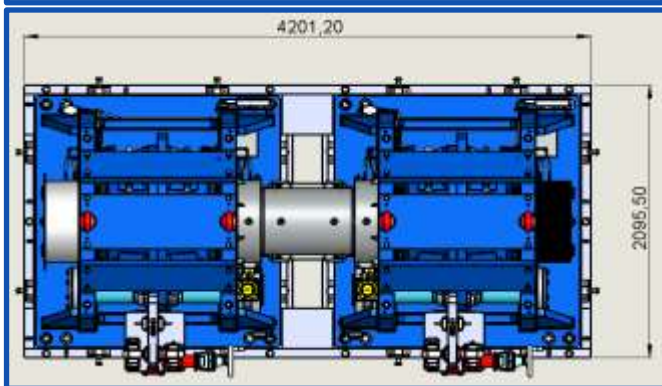
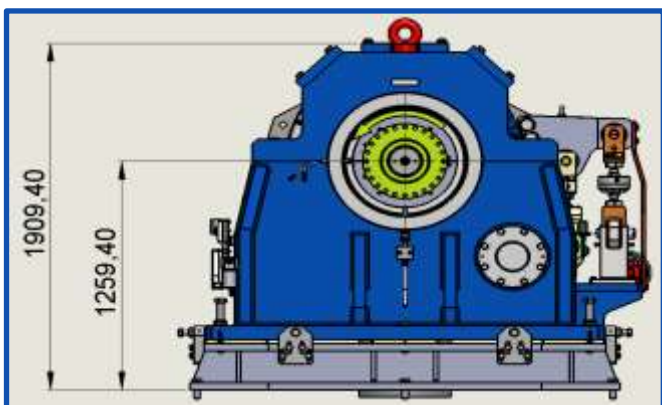
THE SYSTEM IS DESIGNED TO PROVIDE A HIGH QUALITY, EASY TO USE TEST SOLUTION AT A COMPETITIVE PRICE.

COUPLED WITH OUR TEXCEL VX100 PRO CONTROL SYSTEM, YOU WILL HAVE A STATE OF THE ART, HIGHLY FLEXIBLE TEST SYSTEM.

The HS890 Tandem Hydraulic Dynamometer

The Froude HS890 tandem hydraulic dynamometer is rated up to 56,000 kW; 100,000 Nm and has a maximum continuous operating speed of 6,900 rpm. The Tandem system comprises two single HS890 dynamometers, each one rated at 28,000 kW and mounted on a fabricated base frame. The dynamometers are mechanically connected via a drive shaft enclosed within a personnel safety guard.

The Texcel VX100 PRO control system will control the dynamometers as a tandem system only and will balance the load absorbed equally between the dynamometers.



STANDARD FEATURES

- High accuracy strain gauge torque measurement system
- Twin electro-magnetic speed sensors
- Two half couplings
- Low inertia
- Servo electro-hydraulic controlled water inlet and outlet valves.
- Forced oil lubricated rolling element shaft bearings
- Grease lubricated rolling element trunnion bearings
- Water inlet pressure switch
- Water inlet pressure transducer
- Water inlet and outlet valve failsafe system
- Water inlet and outlet thermocouples (Type K)
- Shaft bearing thermocouples (1 type K installed in each bearing)
- Two hydraulic power packs supplied on a frame designed for floor mounting complete with integral drip tray
- Water outlet scavenge tank/dynamometer support frame comprising the underframe for housing the water outlet tank and supporting the tandem dynamometers

The HS890 Tandem Hydraulic Dynamometer

AVAILABLE FOR SALE



AN AMAZING OPPORTUNITY THAT DOESN'T COME ALONG OFTEN

Shown above is a previously-owned HS890 Tandem Dynamometer System available for sale. Texcel VX100 PRO software and control system also available as well as additional components. Contact Froude at sales@froudedyno.com to discuss purchasing this state-of-the-art package at a competitive price. Additional photographs and details available upon request. NOTE: Any offer made is subject to machine availability and contract.

SPECIFICATIONS

Model	Max Speed (RPM)	Torque Nm (lb.ft)	Power kW (BHP)	Curve Ref
HS890 Tandem	6,900	100,000 (73,800)	56,000 (75,100)	M015969

IMPORTANT NOTE:

OEM manufacturers warranty available.*
OEM installation, inspection and commissioning available.*

*Subject to conditions.

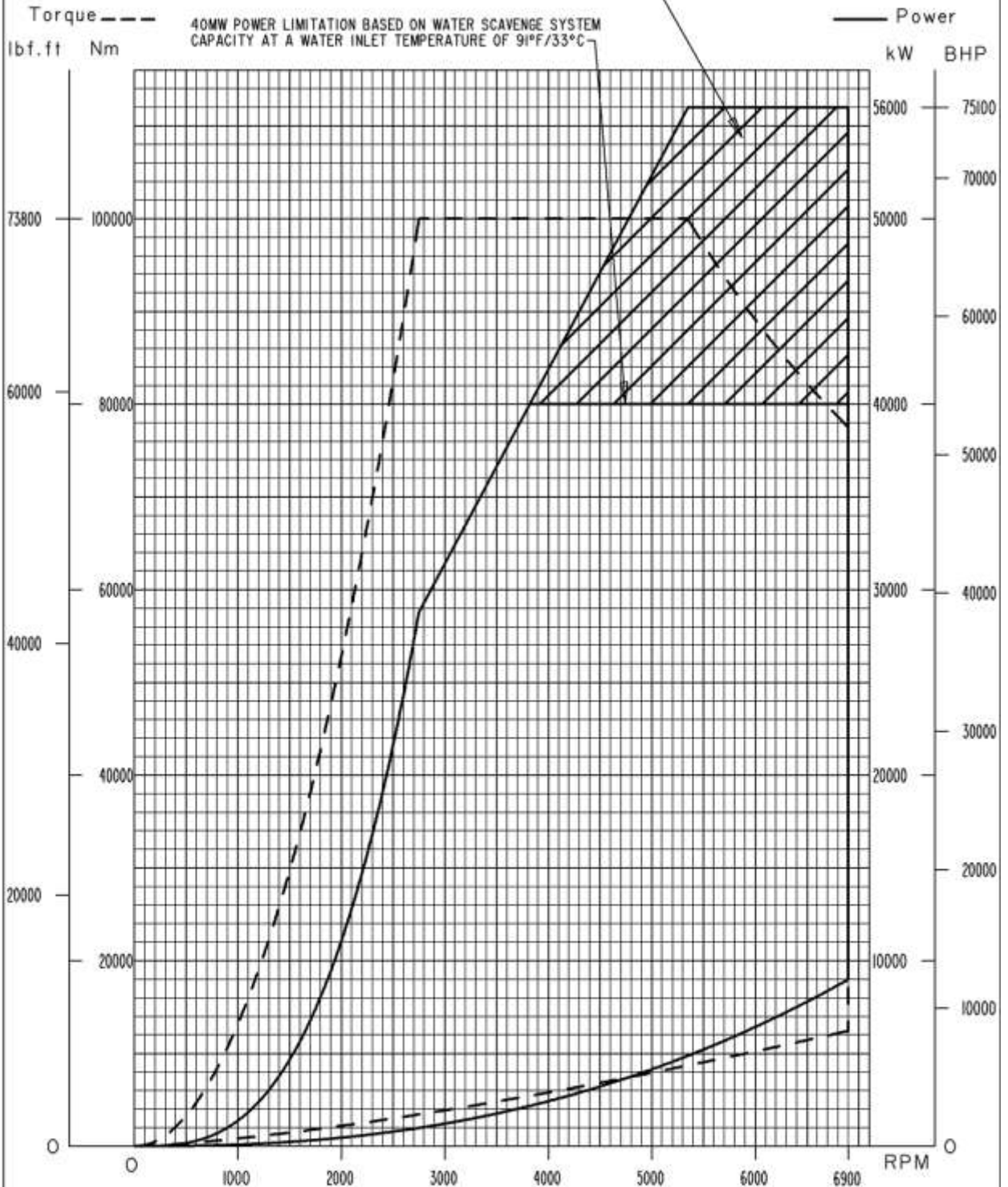
Further information:

Froude Inc., 41123 Jo Drive, Novi, MI 48375
USA +1 248.579.4295
sales@froudedyno.com

© FROUDE Dec 2017

SIZE	DRAWING N°	REVISION	SHEET
A4	M015969	002	01

FOR OPERATION IN THIS AREA REDUCED WATER INLET TEMPERATURES MUST BE USED



THIS CURVE SHOWS THE COMBINED DUTY OF BOTH DYNAMOMETERS

MAXIMUM WATER INLET TEMP. 91°F/33°C
MAXIMUM WATER OUTLET TEMP. 160°F/71°C

THE COPYRIGHT IN THIS DRAWING AND THE RIGHT OF REPRODUCTION THEREOF IS VESTED IN AND BELONGS TO :-



FROUDE HYDRAULIC DYNAMOMETER
TANDEM HS890-2
POWER AND TORQUE CAPACITY DIAGRAM

SIZE	DRAWING N°	REVISION	SHEET
A4	M015969	002	01
RESTRICTED		DATE	03:2011
DRAWN	KJB	CHECKED	KJB
		APPROVED	RGS