

DESMI Pumps for HVAC in Sharjah, UAE

DESMI has supplied a series of eight NSLH End Suction Centrifugal Pumps for the Umm Al-Qura building located in Sharjah at the Al Mamzar beach.

The NSLH pumps will be providing 198 differently sized apartments with cooling. The residential building has 22 floors + 5 floors for car parking and is located at the Al Mamzar beach.

Sharjah is the third largest and third most populous city in the United Arab Emirates and the city is a centre of culture and industries.

The primary pumps delivered to the Umm Al-Qura building are running at constant speed and the secondary pumps have integrated Variable-Frequency Drive (VFD) enabling speed adjustment according to the actual needs. The combination of VFD and high-efficiency motors gives substantial energy savings - contributing to the city of Sharjah's profile as an official "WHO Healthy City".



CASE STORY



Specifications on delivered pumps:	
NSLH150-330/A07 End Suction Centrifugal Pumps	
Capacity:	1150.00 US gpm
Total Man. Head:	109.09 feetLC
Pump Casing:	Grey cast iron
Suction/Pressure Flange:	200/150 mm
Impeller:	NiAlBz DS/EN 1982 CC333
Impeller Diameter:	330.00 mm
Shaft:	Duplex Stainless Steel AISI 329
Coupling:	Spacer with Baseplate
NSLH125-330/A07 End Suction Centrifugal Pumps	
Capacity:	957.30 US gpm
Total Man. Head:	86.60 feetLC
Pump Casing:	Grey cast iron
Suction/Pressure Flange:	150/125 mm.
Impeller:	NiAlBz DS/EN 1982 CC333
Impeller Diameter:	317.00 mm
Shaft:	Duplex Stainless Steel AISI 329
Coupling:	Spacer with Baseplate

NSLH End-suction Centrifugal Pump

DESMI provides high quality and well established utility/district energy pumps with focus on high energy efficiency and long life cycle

The DESMI NSLV & NSLH pumps are suitable for water applications (raw, treated, hot or cold). The pumps delivered to the Umm Al-Qura building are DESMI NSLH End Suction Centrifugal pumps which are known for:

- High efficiency
- Low NPSH values
- Easy installation and maintenance
- Compact design
- Standardized to modular design
- Outstanding hydraulic design performance
- Robust shaft design



PROVEN TECHNOLOGY

DESMI