



# DELLNER

WIND SOLUTIONS

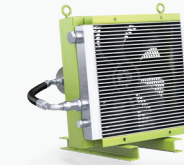
## PRECISION ENGINEERED BRAKING & HYDRAULIC SYSTEMS FOR WIND ENERGY



1  
PASSIVE  
COOLER



2  
ACTIVE OIL  
COOLER



3  
ACTIVE WATER  
COOLER



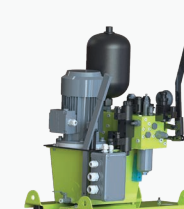
4  
PUMP UNIT FOR  
CONVERTER  
COOLING



5  
PUMP UNIT FOR  
GENERATOR  
COOLING



6  
PUMP UNIT FOR  
GEARBOX COOLING



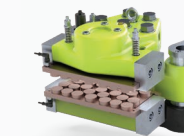
7  
BRAKE SYSTEM  
(HPU) HYDRAULIC  
POWER UNIT



8  
MOTOR MOUNTED  
YAW BRAKE



9  
FLEXIBLE  
COUPLING



10  
ROTOR BRAKE  
(ACTIVE & PASSIVE)



11  
YAW BRAKE/SLIDING  
BEARINGS  
(ACTIVE & PASSIVE)



12  
PITCH SYSTEM  
(HPU) HYDRAULIC  
POWER UNIT



13  
ROTOR LOCK  
(MANUAL &  
HYDRAULIC)



14  
DISTRIBUTOR  
MANIFOLD



15  
ACCUMULATOR  
ASSEMBLY



16  
PITCH CYLINDER  
ASSEMBLIES



17  
PITCH  
MANIFOLD



18  
PITCH - BLADE  
LOCK DEVICE

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WIND SOLUTIONS



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